

Specification

ReaLight

ALTH0587A



Design concept

As a model of basic lighting, it is often favored by people for its simple but not simple shape in the field of lighting application. Famous and excellent lighting lth0587a series products are suitable in size and excellent in light efficiency. They are the first choice for home and business.

Range of application

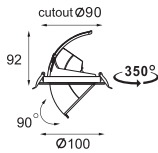
Hotels, supermarkets, office space, home lighting, commercial chains, etc



LTH0587A-12WY

Basic parameter

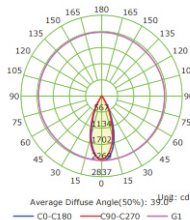
Warranty	5 years
Wattage	12W
Siz:	Φ100*H92mm
Cutout:	Φ90
Installation	Embedded
IP Grade	IP20
Beam Angle	15° 24° 38° 60°
Main Material	Aluminum
Finished Color	Sand White/Sand Black
Working Temperature	-10℃~40℃
Product Standards	IEC(or EN)60598-1
Certification	CE/CSA/CB/BIS/ERP



Type Color temperature, lumen, beam angle and power all have errors of +10%, which belongs to the standard range.

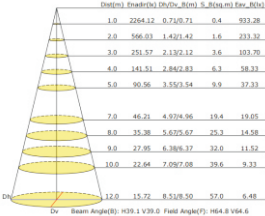
LED parameter

LED Chip Supplier	OSRAM COB
CRI	≥90
CCT	3000K 4000K 5000K
Light Efficiency	85~95lm/w
Lumen	3000K:1060lm 4000K:1092lm 5000K:1113lm



Driver parameter

Driver	No Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC30-42V 300mA , 12W
Powerrating	≥0.55/≥0.85
Typical Efficiency	≥83%
Certificate	CE,CCC,CB,ENEC,RCM
Ta/Tc, Surge	45℃/75℃, 1000V
Driver	Triac Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC26-40V 300mA , 12W
Powerrating	0.92
Typical Efficiency	≥82%
Certificate	ENEC,RCM,CB
Ta/Tc, Surge	45℃/75℃, 1000V



Driver	0-10V Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC12-40V 300mA , 12W
Powerrating	0.9
Typical Efficiency	≥80%
Certificate	ENEC,CE,CCC
Ta/Tc, Surge	45℃/75℃, 1000V
Driver	DALI Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC9-40V 300mA , 12W
Powerrating	0.9
Typical Efficiency	≥82%
Certificate	ENEC,CE,CCC,CB
Ta/Tc, Surge	45℃/75℃, 1000V

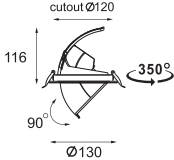
Packaging parameter

Quantity	30pcs/ctn
N.W.	8.55kg/ctn
G.W.	11.5kg/ctn
Inner Box	L130*W120*H95mm
Outer Box	L63*W27.5*H31cm
Volume	0.0537075m³/ctn
Weight	345g/pcs
Weight (Lamp)	285g/pcs

LTH0587A-20WY

Basic parameter

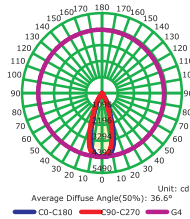
Warranty	5 years
Wattage	20W
Siz:	Φ130*H116mm
Cutout:	Φ120
Installation	Embedded
IP Grade	IP20
Beam Angle	15° 24° 38° 60°
Main Material	Aluminum
Finished Color	Sand White/Sand Black
Working Temperature	-10℃~40℃
Product Standards	IEC(or EN)60598-1
Certification	CE/CSA/CB/BIS/ERP



Type Color temperature, lumen, beam angle and power all have errors of +10%, which belongs to the standard range.

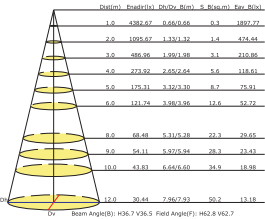
LED parameter

LED Chip Supplier	OSRAM COB
CRI	≥90
CCT	3000K 4000K 5000K
Light Efficiency	90~100lm/w
Lumen	3000K:1910lm 4000K:1954lm 5000K:1963lm



Driver parameter

Driver	No Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC24-42V 500mA , 20W
Powerrating	≥0.55/≥0.85
Typical Efficiency	≥83%
Certificate	CE,CCC,CB,ENEC,RCM,BIS
Ta/Tc, Surge	45℃/75℃, 1000V
Driver	Triac Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC27-4V 00mA , 20W
Powerrating	0.9
Typical Efficiency	≥84%
Certificate	ENEC,RCM,CB
Ta/Tc, Surge	45℃/75℃, 1000V



Driver	0-10V Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC12-40V 500mA , 20W
Powerrating	0.9
Typical Efficiency	≥84%
Certificate	ENEC,CE,CCC
Ta/Tc, Surge	45℃/75℃, 1000V
Driver	DALI Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC24-40-2V 30-500mA , 20W
Powerrating	0.9
Typical Efficiency	≥87%
Certificate	ENEC,CE,CCC,CB
Ta/Tc, Surge	45℃/75℃, 1000V

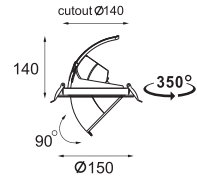
Packaging parameter

Quantity	16pcs/ctn
N.W.	8.60kg/ctn
G.W.	10.85kg/ctn
Inner Box	L165*W150*H125mm
Outer Box	L63*W34.5*H27cm
Volume	0.0586845m³/ctn
Weight	613g/pcs
Weight (Lamp)	538g/pcs

LTH0587A-30WY

Basic parameter

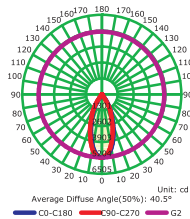
Warranty	5 years
Wattage	30W
Siz:	Φ150*H140mm
Cutout:	Φ140
Installation	Embedded
IP Grade	IP20
Beam Angle	15° 24° 38° 60°
Main Material	Aluminum
Finished Color	Sand White/Sand Black
Working Temperature	-10℃~40℃
Product Standards	IEC(or EN)60598-1
Certification	CE/CSA/CB/BIS/ERP



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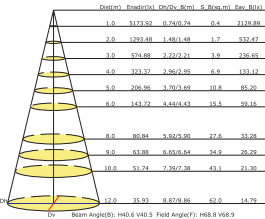
LED parameter

LED Chip Supplier	OSRAM COB
CRI	≥90
CCT	3000K 4000K 5000K
Light Efficiency	90~100lm/w
Lumen	3000K: 2858lm 4000K: 2928lm 5000K: 2945lm



Driver parameter

Driver	No Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC24-42V 700mA , 30W
Powerrating	≥0.95
Typical Efficiency	≥87%
Certificate	ENEC CE CCC CB ERP RCM
Ta/Tc, Surge	45℃/75℃, 1000V
Driver	Triac Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC27-42V 700mA , 30W
Powerrating	0.9
Typical Efficiency	≥82%
Certificate	ENEC,RCM,CB
Ta/Tc, Surge	45℃/75℃, 1000V



Driver	0-10V Dimming Eaglerise No flicker
Input	AC200-240V 50Hz/60Hz
Output	DC12-43V 700mA , 30W
Powerrating	0.9
Typical Efficiency	≥84%
Certificate	ENEC,CE,CCC
Ta/Tc, Surge	45℃/75℃, 1000V
Driver	DALI Dimming Eaglerise No flicker
Input	AC200-240V 50Hz/60Hz
Output	DC24-42V 700mA , 30W
Powerrating	0.9
Typical Efficiency	≥87%
Certificate	ENEC,CE,CCC,CB
Ta/Tc, Surge	45℃/75℃, 1000V

Packaging parameter

Quantity	12pcs/ctn
N.W.	10.8kg/ctn
G.W.	13.12kg/ctn
Inner Box	L185*W170*H150mm
Outer Box	L57.5*W35.5*H32cm
Volume	0.06532m³/ctn
Weight	985g/pcs
Weight (Lamp)	900g/pcs

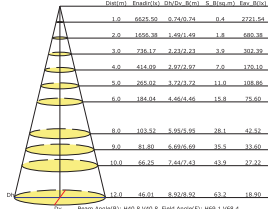
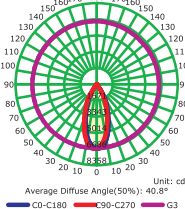
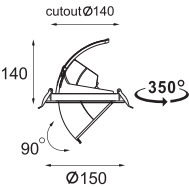
LTH0587A-40WY

Basic parameter	
Warranty	5 years
Wattage	40W
Siz:	Φ150*H140mm
Cutout:	Φ140
Installation	Embedded
IP Grade	IP20
Beam Angle	15° 24°38°
Main Material	Aluminum
Finished Color	Sand White/Sand Black
WorkingTemperature	-10℃~40℃
Product Standards	IEC(or EN)60598-1
Certification	CE/CSA/CB/BIS/ERP

LED parameter	
LED Chip Supplier	OSRAM COB
CRI	≥90
CCT	3000K 4000K 5000K
Light Efficiency	95~105lm/w
Lumen	3000K: 3615lm 4000K: 3695lm 5000K: 3710lm

Driver parameter	
Driver	No Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC24-42V 900mA , 40W
Powerrating	≥0.95
Typical Efficiency	≥87%
Certificate	ENEC,CCC,CB,CE,RCM
Ta/Tc,Surge	45℃/75℃,1000V
Driver	Triac Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC27-42V 900mA, 40W
Powerrating	0.9
Typical Efficiency	≥82%
Certificate	ENEC,RCM CB
Ta/Tc,Surge	45℃/75℃,1000V

Packaging parameter	
Quantity	12pcs/ctn
N.W.	10.8kg/ctn
G.W.	13.12kg/ctn
Inner Box	L185*W170*H150mm
Outer Box	L57.5*W35.5*H32cm
Volume	0.06532m³/ctn
Weight (Lamp)	985g/pcs
Weight (Lamp)	900g/pcs
Driver	0-10V Dimming Boke No flicker
Input	AC200-240V 50Hz/60Hz
Output	DC24-42V 900mA , 40W
Powerrating	0.95
Typical Efficiency	≥85%
Certificate	CE,UKCA,ENEC-TUV,RCM,CCC,EL
Ta/Tc,Surge	45℃/75℃,1000V
Driver	DALI Dimming Boke No flicker
Input	AC200-240V 50Hz/60Hz
Output	DC6-42V 900mA, 40W
Powerrating	0.95
Typical Efficiency	≥88%
Certificate	CE,UKCA,ENEC-TUV,RCM,CCC,DALI-2,EL
Ta/Tc,Surge	45℃/75℃,1000V



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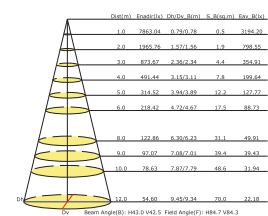
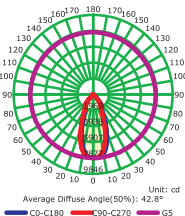
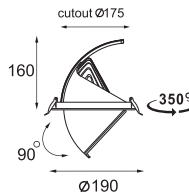
LTH0587A-60WY

Basic parameter	
Warranty	5 years
Wattage	60W
Siz:	Φ190*H160mm
Cutout:	Φ175
Installation	Embedded
IP Grade	IP20
Beam Angle	15° 24°38°
Main Material	Aluminum
Finished Color	Sand White/Sand Black
WorkingTemperature	-10℃~40℃
Product Standards	IEC(or EN)60598-1
Certification	CE/CSA/CB/BIS/ERP

LED parameter	
LED Chip Supplier	CREE COB
CRI	≥90
CCT	3000K 4000K 5000K
Light Efficiency	95~105lm/w
Lumen	3000K: 5698lm 4000K: 5876lm 5000K: 5705lm

Driver parameter	
Driver	No Dimming Eaglerise No flicker
Input	AC220-240V 50Hz/60Hz
Output	DC28-42V 1400mA , 60W
Powerrating	≥0.9
Typical Efficiency	≥89%
Certificate	CE, CCC, CB, ENEC, RCM
Ta/Tc,Surge	45℃/75℃,1000V
Driver	Triac Dimming /
Input	/
Output	/
Powerrating	/
Typical Efficiency	/
Certificate	/
Ta/Tc,Surge	/

Packaging parameter	
Quantity	4pcs/ctn
N.W.	/
G.W.	/
Inner Box	L190*W190*H175 mm
Outer Box	L39.5*W39.5*H19.5cm
Volume	0.030424875m³/ctn
Weight (Lamp)	/
Weight (Lamp)	/
Driver	0-10V Dimming Boke No flicker
Input	AC200-240V 50Hz/60Hz
Output	DC24-42V 1400mA , 60W
Powerrating	0.95
Typical Efficiency	≥89%
Certificate	CE,UKCA,ENEC-TUV,RCM,CCC,EL
Ta/Tc,Surge	45℃/75℃,1000V
Driver	DALI Dimming Boke No flicker
Input	AC200-240V 50Hz/60Hz
Output	DC6-42V 1400mA , 60W
Powerrating	0.95
Typical Efficiency	≥89%
Certificate	CE,UKCA,ENEC-TUV,RCM,CCC,DALI-2,EL
Ta/Tc,Surge	45℃/75℃,1000V



Type Color temperature, lumen, beam angle and power all have errors of +10%, which belongs to the standard range.

Installation Manual



LTH0587A-12WY
LTH0587A-20WY
LTH0587A-30WY
LTH0587A-40WY
LTH0587A-60WY

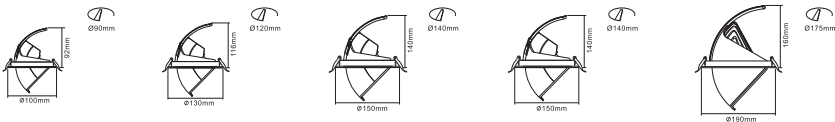
Safety Rules (Attention):

Do not install the LED Downlights near flammable liquid, materials or surfaces.
Do not subject the LED Downlights to excess weight.
Avoid looking directly into the LED light beam at close range.
Clean, when needed, the front transparent cover with a dry cloth. Remove any dirt only with water and alcohol free cleaning products.
Operation in general ambient temperature up to 35.
PNY is not responsible for any damage or injury caused by incorrect or improper use of the product.

Safety Rules (Attention):

Before installation or maintenance, make sure electricity is switched off at the mains.
Install and operate in places where there is sufficient airflow to keep the module to acceptable temperature levels.
Cut correct size hole in ceiling given the dimensions below.
Make sure the correct driver is used.
Make sure the driver lies adjacent to the fitting.
Refer to driver specifications if you need relevant information.
Installation only by a qualified electrician.

Indicative Dimensions:



Note: Dimensions of drivers change depending on the model.
Please refer to the following pages of this user manual or contact your supplier for relative information.

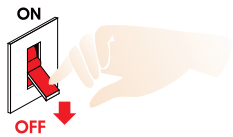
Installation:

1

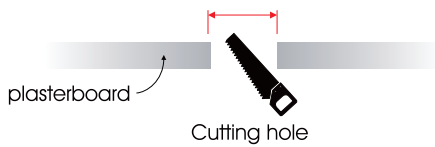


Attention

Before any maintenance switch off the main power.

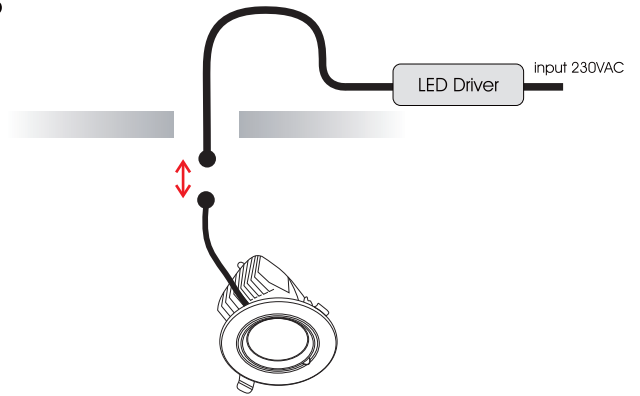


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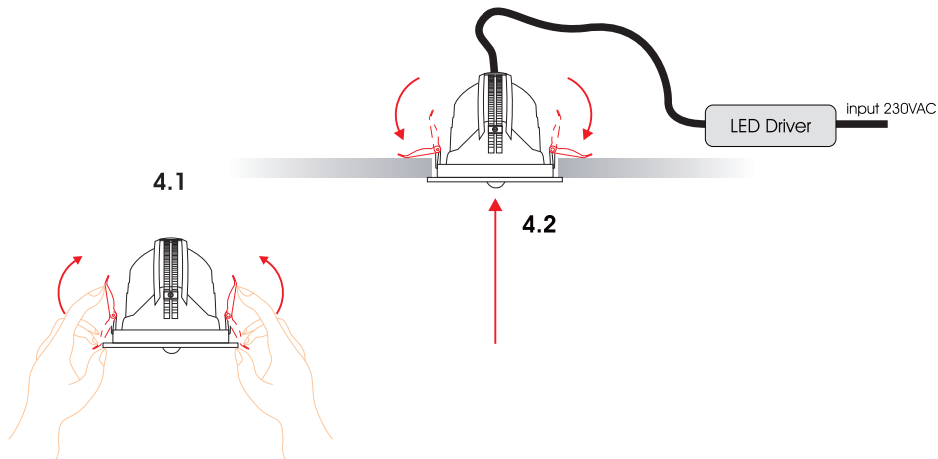


LTH0587A-12WY	Ø90mm
LTH0587A-20WY	Ø120mm
LTH0587A-30WY	Ø140mm
LTH0587A-40WY	Ø140mm
LTH0587A-60WY	Ø175mm

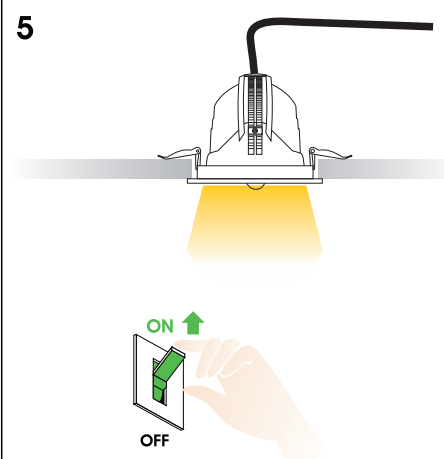
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4



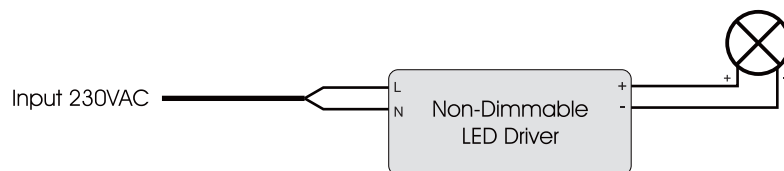
5



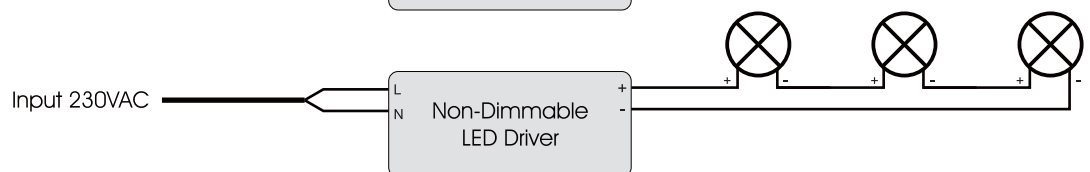
Typical LED driver connections

Non-Dimmable

Single Connection

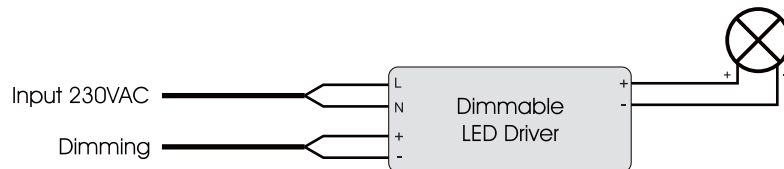


Series Connection

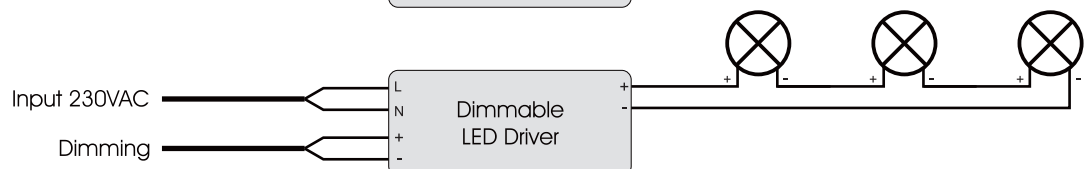


Dimmable

Single Connection



Series Connection



CAUTION!

For all connections make sure that the total load is within the safe operating area of the driver output.