

Harput Downlight Series



EMFA

HARPUT

LED DOWNLIGHT

Class II IP65/20

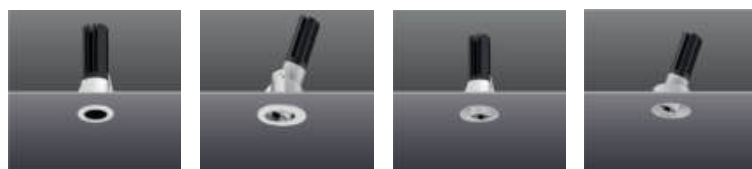
Available in any
of these RAL colors



The Harput LED downlight is specially designed to deliver high output LED light with very clean beam angles to corridors, hotel rooms, museums and general lighting of public spaces. The LEDs used in the HARPUT are very efficient and have a high CRI (90). The unique lens that is used in this fixture creates very sharp beams that minimize the spill of uncontrolled light from the fixture. This reduces the glare of the fixture and gives more control to the architects and designers.

- Body** : Aluminium
- Heatsink** : Aluminium
- Diffuser** : With clear or frosted tempered Glass
- Springs** : Steel
- Cable** : 0.5 m exiting top of fixture
- Gear** : 240V Non-Dimmable electronic LED driver
(1-10V Dimmable and DALI drivers available on request)

HARPUT MINI



Fixed

Adjustable

Trimless
Fixed

Trimless
Adjustable

HARPUT 2



Fixed

Adjustable

Trimless
Fixed

Trimless
Adjustable

HARPUT 3



Fixed

Adjustable

Trimless
Fixed

Trimless
Adjustable

HARPUT 4



Fixed

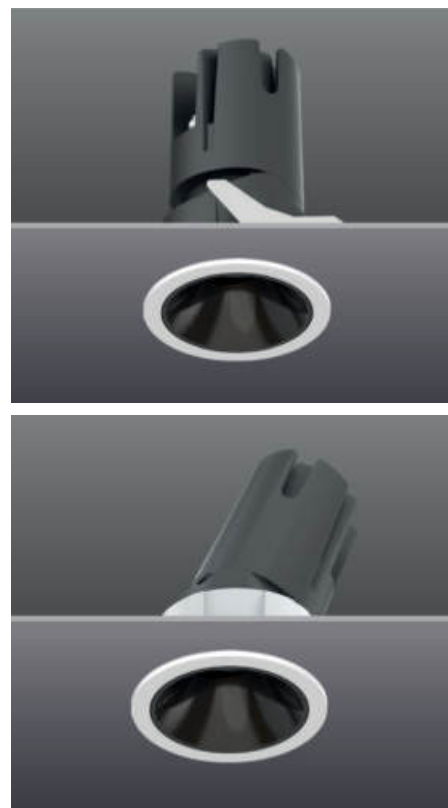
Adjustable

Trimless
Fixed

Trimless
Adjustable

Application

Symmetrical and asymmetrical lighting for general lighting such as museums, hospitals, hotel rooms, dormitories, corridors, shops, and balconies.



LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

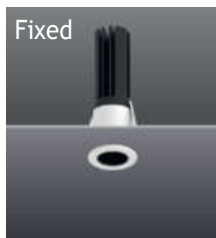
Thermal Management

All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA's laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.

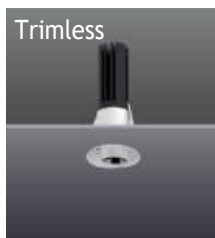
HARPOT MINI LED DOWNLIGHT

Class II IP20

Available in any
of these RAL colors



Fixed

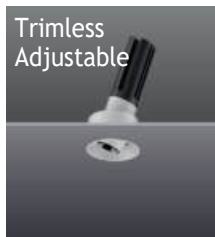


Trimless

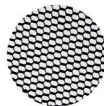
Led : 1W or 3W POWER LED
Reflector : 15°, 24°, 38° or 60°
Gear : 240V
 (1-10V Dimmable Driver & DALI Driver available on request)
Cable : 0,5 m 2x0,75 mm H03 VV-F



Adjustable

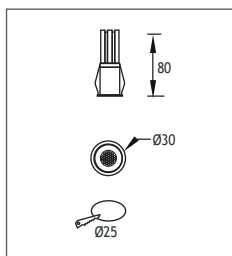


Trimless Adjustable



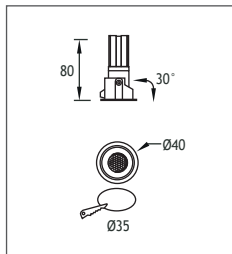
HONEYCOMB FOR HARPOT MINI LED DOWNLIGHT
 Code No: 953957

Fixed



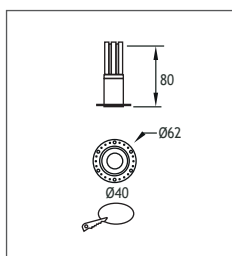
Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	230003
1W LED	3000 K	95 lm	230001
1W LED	4500 K	97 lm	230002
3W LED	2700 K	285 lm	230013
3W LED	3000 K	285 lm	230011
3W LED	4500 K	290 lm	230012

Adjustable



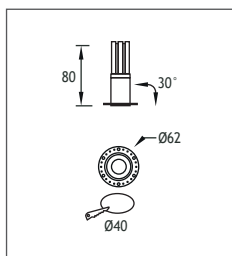
Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	230103
1W LED	3000 K	95 lm	230101
1W LED	4500 K	97 lm	230102
3W LED	2700 K	285 lm	230113
3W LED	3000 K	285 lm	230111
3W LED	4500 K	290 lm	230112

Trimless Fixed



Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	234003
1W LED	3000 K	95 lm	234001
1W LED	4500 K	97 lm	234002
3W LED	2700 K	285 lm	234013
3W LED	3000 K	285 lm	234011
3W LED	4500 K	290 lm	234012

Trimless Adjustable



Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	234103
1W LED	3000 K	95 lm	234101
1W LED	4500 K	97 lm	234102
3W LED	2700 K	285 lm	234113
3W LED	3000 K	285 lm	234111
3W LED	4500 K	290 lm	234112

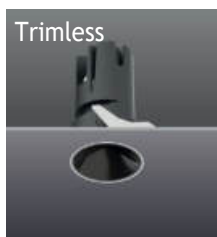
HARPUR 2 LED DOWNLIGHT

Class II IP65

Available in any
of these RAL colors



Fixed



Trimless



Adjustable



Trimless
Adjustable

6W or 12W COB LED

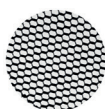
Led : 6W or 12W COB LED

Reflector : 15°, 24°, 38° or 60°

Gear : 240V

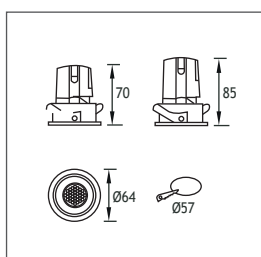
(1-10V Dimmable Driver & DALI Driver available on request)

Cable : 0,5 m 2x0,75 mm H03 VV-F



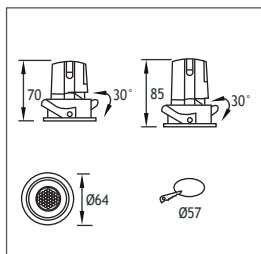
HONEYCOMB FOR HARPUR 2 LED DOWNLIGHT
Code No: 953958

Fixed



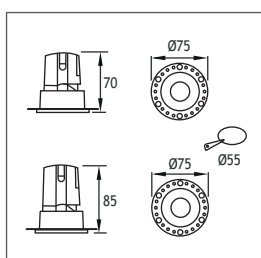
Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	231003
6W LED	3000 K	570 lm	231001
6W LED	4500 K	581 lm	231002
12W LED	2700 K	1140 lm	231013
12W LED	3000 K	1140 lm	231011
12W LED	4500 K	1162 lm	231012

Adjustable



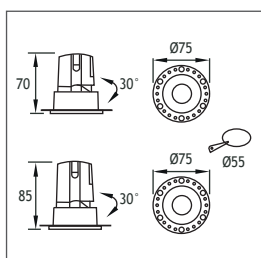
Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	231103
6W LED	3000 K	570 lm	231101
6W LED	4500 K	581 lm	231102
12W LED	2700 K	1140 lm	231113
12W LED	3000 K	1140 lm	231111
12W LED	4500 K	1162 lm	231112

Trimless Fixed



Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	235003
6W LED	3000 K	570 lm	235001
6W LED	4500 K	581 lm	235002
12W LED	2700 K	1140 lm	235013
12W LED	3000 K	1140 lm	235011
12W LED	4500 K	1162 lm	235012

Trimless Adjustable



Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	235103
6W LED	3000 K	570 lm	235101
6W LED	4500 K	581 lm	235102
12W LED	2700 K	1140 lm	235113
12W LED	3000 K	1140 lm	235111
12W LED	4500 K	1162 lm	235112

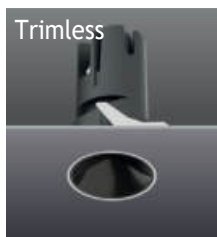
HARPUR 3 LED DOWNLIGHT

Class II IP65

Available in any
of these RAL colors



Fixed



Trimless

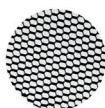
Led : 12W or 20W COB LED
Reflector : 15°, 24°, 38° or 60°
Gear : 240V
 (1-10V Dimmable Driver & DALI Driver available on request)
Cable : 0,5 m 2x0,75 mm H03 VV-F



Adjustable

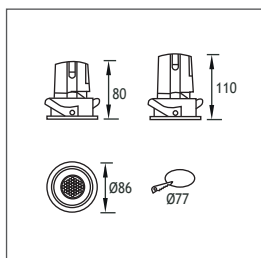


Trimless
Adjustable



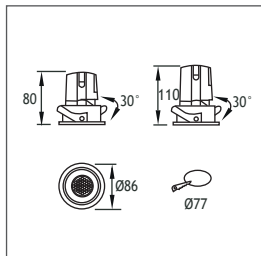
HONEYCOMB FOR HARPUR 3 LED DOWNLIGHT
 Code No: 953959

Fixed



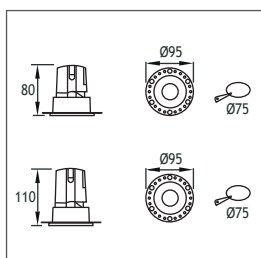
Power	Kelvin	Real Lumen Output	Code No
12W LED	2700 K	1140 lm	232003
12W LED	3000 K	1140 lm	232001
12W LED	4500 K	1162 lm	232002
20W LED	2700 K	1900 lm	232013
20W LED	3000 K	1900 lm	232011
20W LED	4500 K	1936 lm	232012

Adjustable



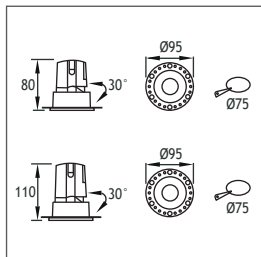
Power	Kelvin	Real Lumen Output	Code No
12W LED	2700 K	1140 lm	232103
12W LED	3000 K	1140 lm	232101
12W LED	4500 K	1162 lm	232102
20W LED	2700 K	1900 lm	232113
20W LED	3000 K	1900 lm	232111
20W LED	4500 K	1936 lm	232112

Trimless Fixed



Power	Kelvin	Real Lumen Output	Code No
12W LED	2700 K	1140 lm	236003
12W LED	3000 K	1140 lm	236001
12W LED	4500 K	1162 lm	236002
20W LED	2700 K	1900 lm	236013
20W LED	3000 K	1900 lm	236011
20W LED	4500 K	1936 lm	236012

Trimless Adjustable



Power	Kelvin	Real Lumen Output	Code No
12W LED	2700 K	1140 lm	236103
12W LED	3000 K	1140 lm	236101
12W LED	4500 K	1162 lm	236102
20W LED	2700 K	1900 lm	236113
20W LED	3000 K	1900 lm	236111
20W LED	4500 K	1936 lm	236112

HARPOT 4 LED DOWNLIGHT

Class II IP65

Available in any
of these RAL colors



Fixed



Trimless

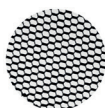
Led : 20W or 30W COB LED
Reflector : 15°, 24°, 38° or 60°
Gear : 240V
 (1-10V Dimmable Driver & DALI Driver available on request)
Cable : 0,5 m 2x0,75 mm H03 VV-F



Adjustable

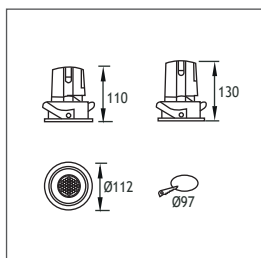


Trimless
Adjustable



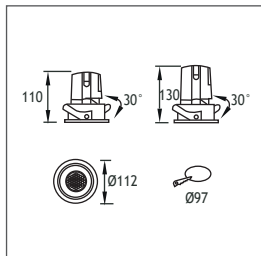
HONEYCOMB FOR HARPOT 4 LED DOWNLIGHT
 Code No: 953960

Fixed



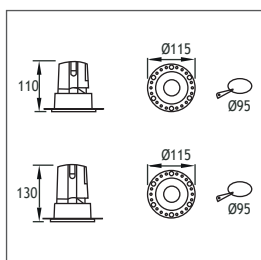
Power	Kelvin	Real Lumen Output	Code No
20W LED	2700 K	1800 lm	233003
20W LED	3000 K	1800 lm	233001
20W LED	4500 K	1980 lm	233002
30W LED	2700 K	2700 lm	233013
30W LED	3000 K	2700 lm	233011
30W LED	4500 K	2970 lm	233012

Adjustable



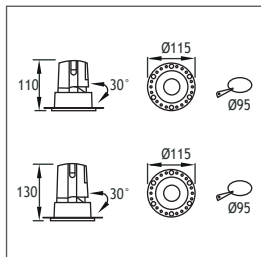
Power	Kelvin	Real Lumen Output	Code No
20W LED	2700 K	1800 lm	233103
20W LED	3000 K	1800 lm	233101
20W LED	4500 K	1980 lm	233102
30W LED	2700 K	2700 lm	233113
30W LED	3000 K	2700 lm	233111
30W LED	4500 K	2970 lm	233112

Trimless Fixed



Power	Kelvin	Real Lumen Output	Code No
20W LED	2700 K	1800 lm	237003
20W LED	3000 K	1800 lm	237001
20W LED	4500 K	1980 lm	237002
30W LED	2700 K	2700 lm	237013
30W LED	3000 K	2700 lm	237011
30W LED	4500 K	2970 lm	237012

Trimless Adjustable



Power	Kelvin	Real Lumen Output	Code No
20W LED	2700 K	1800 lm	237103
20W LED	3000 K	1800 lm	237101
20W LED	4500 K	1980 lm	237102
30W LED	2700 K	2700 lm	237113
30W LED	3000 K	2700 lm	237111
30W LED	4500 K	2970 lm	237112