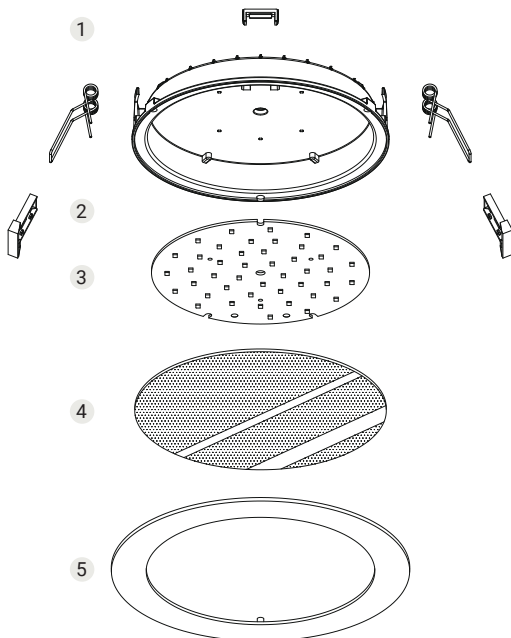


Hat

Hat is the latest generation of LED Downlights: With only 44mm height and a performance of 75% it can reach up to 2.400 lumen output.

HAT is a compact downlight of high efficiency, with DALI version available and EH1 50.000h L70B10 / EH2 70.000h L70B10 life expectancy.

As a new product within the HAT family, HAT HR is a revision of the popular Normalit downlight. A new design that keeps the original essence and has a lower glare.



- 1 Aluminium heat sink
- 2 Fixing clamps
- 3 SMD LED board
- 4 Microprismatic diffuser
- 5 Customisable aluminium ring

	Hat	Hat HR
Installation	Ceiling recessed mounted	Ceiling recessed mounted
Diffuser	⊗ ○*	⊗ ○*
Light source	LED	LED
Photobiological safety	0	0
UGR	22	21
CRI	>80	>80
MacAdam ellipse	3	3
Beam angle range	84	84
Power range (W)	13-20,5	13-20,5
Colour temperature (°K)	3000 6000	2700 6500
Light range	1500-2430	1500-2600
Power factor	0,95	0,95
Efficiency (%)	75,1	75,1
Expectancy	50000-72000 h L70B10	50000-72000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP	20-54	20-54
Class	II	II
Ideal cut out (mm)	210	215

⊗ Microprismatic diffuser ○* Opal diffuser on order

Five versions

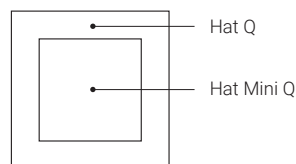


Cut outs

Circular cut



Square frame



It is available in SALUZ version



44 mm

Compact

Hat Q

Hat Mini

Hat Mini Q

Hat Micro

Ceiling recessed mounted

Ceiling recessed mounted

Ceiling recessed mounted

Ceiling recessed mounted



LED

LED

LED

LED

0

0

0

0

22

22

22

22

>80

>80

>80

>80

3

3

3

3

84

84

84

84

20,5

10,9

10,9

4,8

3000 | 6000

3000 | 6000

3000 | 6000

3000 | 6000

2300-2435

1400-1520

1400-1520

460-510

0,95

0,5

0,5

0,95

75,1

69,2

69,2

75,1

72000 h L70B10

72000 h L70B10

72000 h L70B10

50000 h L70B10

✓

✓

✓

–

✓

✓

✓

✓

20-54

20-54

20-54

20-54

II

II

II

I

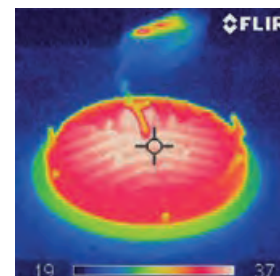
210

135

135

100

Now
also in temperature
5000°K



Please, ask for the technical datasheets of all the luminaires.



For other CRI values, please contact us.

Hat



IP **20-54** CRI **>80** UGR **22** **84°**

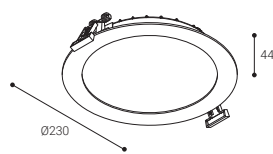
Expectancy
 EH1: **50000 h.**
 EH2: **72000 h.**
 L70B10

Efficiency (%)
75,1

Photobiological safety

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

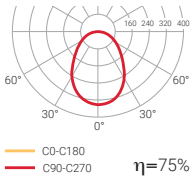


Minimum ceiling installation height
94

Diameter range
Ø200-225
 Ideal cut out
Ø210
 Circular cut

- RAL9016
- RAL7001
- RAL9005

Microprismatic diffuser



NUMBER OF FITTINGS NEEDED FOR A STANDARD INSTALLATION

EH24

	200 lx	300 lx	500 lx
50 m ²	6	8	14
100 m ²	9	16	25
150 m ²	16	20	36
200 m ²	20	30	46

Height used for the calculation: 2,8 m

	W	K	LUMEN	COLOUR		PACKAGING
EH13B	1x13W	3000	1500 lm	○	0,8	18
EH13G	1x13W	3000	1500 lm	●	0,8	18
EH13N	1x13W	3000	1500 lm	●	0,8	18
EH14B	1x13W	4000	1600 lm	○	0,8	18
EH14G	1x13W	4000	1600 lm	●	0,8	18
EH14N	1x13W	4000	1600 lm	●	0,8	18
EH15B	1x13W	5000	1625 lm	○	0,8	18
EH15G	1x13W	5000	1625 lm	●	0,8	18
EH15N	1x13W	5000	1625 lm	●	0,8	18
EH16B	1x13W	6000	1625 lm	○	0,8	18
EH16G	1x13W	6000	1625 lm	●	0,8	18
EH16N	1x13W	6000	1625 lm	●	0,8	18
EH23B	1x20,5W	3000	2300 lm	○	0,8	18
EH23G	1x20,5W	3000	2300 lm	●	0,8	18
EH23N	1x20,5W	3000	2300 lm	●	0,8	18
EH24B	1x20,5W	4000	2400 lm	○	0,8	18
EH24G	1x20,5W	4000	2400 lm	●	0,8	18
EH24N	1x20,5W	4000	2400 lm	●	0,8	18
EH25B	1x20,5W	5000	2430 lm	○	0,8	18
EH25G	1x20,5W	5000	2430 lm	●	0,8	18
EH25N	1x20,5W	5000	2430 lm	●	0,8	18
EH26B	1x20,5W	6000	2435 lm	○	0,8	18
EH26G	1x20,5W	6000	2435 lm	●	0,8	18
EH26N	1x20,5W	6000	2435 lm	●	0,8	18

Hat

Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR		PACKAGING
EH13DB	1x13W	3000	1500 lm	○	1,0	18
EH13DG	1x13W	3000	1500 lm	●	1,0	18
EH13DN	1x13W	3000	1500 lm	●	1,0	18
EH14DB	1x13W	4000	1600 lm	○	1,0	18
EH14DG	1x13W	4000	1600 lm	●	1,0	18
EH14DN	1x13W	4000	1600 lm	●	1,0	18
EH15DB	1x13W	5000	1625 lm	○	1,0	18
EH15DG	1x13W	5000	1625 lm	●	1,0	18
EH15DN	1x13W	5000	1625 lm	●	1,0	18
EH16DB	1x13W	6000	1625 lm	○	1,0	18
EH16DG	1x13W	6000	1625 lm	●	1,0	18
EH16DN	1x13W	6000	1625 lm	●	1,0	18
EH23DB	1x20,5W	3000	2300 lm	○	1,0	18
EH23DG	1x20,5W	3000	2300 lm	●	1,0	18
EH23DN	1x20,5W	3000	2300 lm	●	1,0	18
EH24DB	1x20,5W	4000	2400 lm	○	1,0	18
EH24DG	1x20,5W	4000	2400 lm	●	1,0	18
EH24DN	1x20,5W	4000	2400 lm	●	1,0	18
EH25DB	1x20,5W	5000	2430 lm	○	1,0	18
EH25DG	1x20,5W	5000	2430 lm	●	1,0	18
EH25DN	1x20,5W	5000	2430 lm	●	1,0	18
EH26DB	1x20,5W	6000	2435 lm	○	1,0	18
EH26DG	1x20,5W	6000	2435 lm	●	1,0	18
EH26DN	1x20,5W	6000	2435 lm	●	1,0	18

Hat HR



Ceiling recessed mounted



IP
20-54

CRI
>80

UGR
21

84°

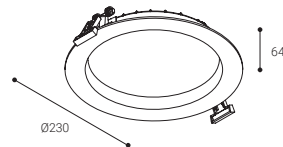
Expectancy
EH1: **50000 h.**
EH2: **72000 h.**
L70B10

Efficiency (%)
75,1

Photobiological safety

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

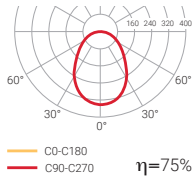


Minimum ceiling installation height
94

Diameter range
Ø210-225
Ideal cut out
Ø215
Circular cut

- RAL9016
- RAL7001
- RAL9005

Microprismatic diffuser



	W	K	LUMEN	COLOUR	
EHI13B	1x13W	3000	1500 lm	○	0,8
EHI13G	1x13W	3000	1500 lm	●	0,8
EHI13N	1x13W	3000	1500 lm	●	0,8
EHI14B	1x13W	4000	1600 lm	○	0,8
EHI14G	1x13W	4000	1600 lm	●	0,8
EHI14N	1x13W	4000	1600 lm	●	0,8
EHI15B	1x13W	5000	1625 lm	○	0,8
EHI15G	1x13W	5000	1625 lm	●	0,8
EHI15N	1x13W	5000	1625 lm	●	0,8
EHI16B	1x13W	6000	1625 lm	○	0,8
EHI16G	1x13W	6000	1625 lm	●	0,8
EHI16N	1x13W	6000	1625 lm	●	0,8
EHI23B	1x20,5W	3000	2300 lm	○	0,8
EHI23G	1x20,5W	3000	2300 lm	●	0,8
EHI23N	1x20,5W	3000	2300 lm	●	0,8
EHI24B	1x20,5W	4000	2400 lm	○	0,8
EHI24G	1x20,5W	4000	2400 lm	●	0,8
EHI24N	1x20,5W	4000	2400 lm	●	0,8
EHI25B	1x20,5W	5000	2430 lm	○	0,8
EHI25G	1x20,5W	5000	2430 lm	●	0,8
EHI25N	1x20,5W	5000	2430 lm	●	0,8
EHI26B	1x20,5W	6000	2435 lm	○	0,8
EHI26G	1x20,5W	6000	2435 lm	●	0,8
EHI26N	1x20,5W	6000	2435 lm	●	0,8

Hat HR



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
EHI13DB	1x13W	3000	1500 lm	○	0,8
EHI13DG	1x13W	3000	1500 lm	●	0,8
EHI13DN	1x13W	3000	1500 lm	●	0,8
EHI14DB	1x13W	4000	1600 lm	○	0,8
EHI14DG	1x13W	4000	1600 lm	●	0,8
EHI14DN	1x13W	4000	1600 lm	●	0,8
EHI15DB	1x13W	5000	1625 lm	○	0,8
EHI15DG	1x13W	5000	1625 lm	●	0,8
EHI15DN	1x13W	5000	1625 lm	●	0,8
EHI16DB	1x13W	6000	1625 lm	○	0,8
EHI16DG	1x13W	6000	1625 lm	●	0,8
EHI16DN	1x13W	6000	1625 lm	●	0,8
EHI23DB	1x20,5W	3000	2300 lm	○	0,8
EHI23DG	1x20,5W	3000	2300 lm	●	0,8
EHI23DN	1x20,5W	3000	2300 lm	●	0,8
EHI24DB	1x20,5W	4000	2400 lm	○	0,8
EHI24DG	1x20,5W	4000	2400 lm	●	0,8
EHI24DN	1x20,5W	4000	2400 lm	●	0,8
EHI25DB	1x20,5W	5000	2430 lm	○	0,8
EHI25DG	1x20,5W	5000	2430 lm	●	0,8
EHI25DN	1x20,5W	5000	2430 lm	●	0,8
EHI26DB	1x20,5W	6000	2435 lm	○	0,8
EHI26DG	1x20,5W	6000	2435 lm	●	0,8
EHI26DN	1x20,5W	6000	2435 lm	●	0,8



Hat HR

Hat HR salUZ®

IP
20-54

CRI
>80

UGR
21

 **84°**

Expectancy
72000 h.
L70B10


Efficiency (%)
75,1

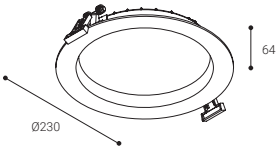
Photobiological safety

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk


*Time under 3h.


Minimum ceiling
installation height
94


Diameter range
Ø220-225
Ideal cut out
Ø215
Circular cut



- RAL9016
- RAL7001
- RAL9005

		W	K	LUMEN	COLOUR	
EHI2ZB	●	1x17W	2700-5600	2600 lm	○	0,8
EHI2ZG	●	1x17W	2700-5600	2600 lm	●	0,8
EHI2ZN	●	1x17W	2700-5600	2600 lm	●	0,8
EHI2TWB	●	1x17W	2700-6500	2600 lm	○	0,8
EHI2TWG	●	1x17W	2700-6500	2600 lm	●	0,8
EHI2TWN	●	1x17W	2700-6500	2600 lm	●	0,8

Versions

salUZ® **Self-contained**

salUZ® **Tunable white**

COMPATIBLE WITH NORMALINK

Once the luminaire has been connected to mains, it automatically modifies the intensity and the tone of the light all over the day.

This version makes it possible to modify circadian cycles from Normalink in remote, and also to adapt them to the specific needs of the project.

Hat Q



Ceiling recessed mounted

LED CE RoHS 850°C

IP 20-54

CRI >80

UGR 22

84°

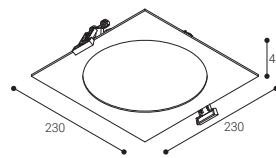
Expectancy
72000 h.
L70B10

Efficiency (%)
75,1

Photobiological safety

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

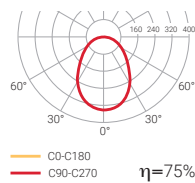


Minimum ceiling installation height
94

Diameter range
Ø200-225
Ideal cut out
Ø210
Circular cut

- RAL9016
- RAL7001
- RAL9005

Microprismatic diffuser



	W	K	LUMEN	COLOUR	Icon
EHQ23B	1x20,5W	3000	2300 lm	○	0,8
EHQ23G	1x20,5W	3000	2300 lm	●	0,8
EHQ23N	1x20,5W	3000	2300 lm	●	0,8
EHQ24B	1x20,5W	4000	2400 lm	○	0,8
EHQ24G	1x20,5W	4000	2400 lm	●	0,8
EHQ24N	1x20,5W	4000	2400 lm	●	0,8
EHQ25B	1x20,5W	5000	2430 lm	○	0,8
EHQ25G	1x20,5W	5000	2430 lm	●	0,8
EHQ25N	1x20,5W	5000	2430 lm	●	0,8
EHQ26B	1x20,5W	6000	2435 lm	○	0,8
EHQ26G	1x20,5W	6000	2435 lm	●	0,8
EHQ26N	1x20,5W	6000	2435 lm	●	0,8



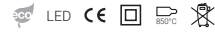
Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	Icon
EHQ23DB	1x20,5W	3000	2300 lm	○	1,0
EHQ23DG	1x20,5W	3000	2300 lm	●	1,0
EHQ23DN	1x20,5W	3000	2300 lm	●	1,0
EHQ24DB	1x20,5W	4000	2400 lm	○	1,0
EHQ24DG	1x20,5W	4000	2400 lm	●	1,0
EHQ24DN	1x20,5W	4000	2400 lm	●	1,0
EHQ25DB	1x20,5W	5000	2430 lm	○	1,0
EHQ25DG	1x20,5W	5000	2430 lm	●	1,0
EHQ25DN	1x20,5W	5000	2430 lm	●	1,0
EHQ26DB	1x20,5W	6000	2435 lm	○	1,0
EHQ26DG	1x20,5W	6000	2435 lm	●	1,0
EHQ26DN	1x20,5W	6000	2435 lm	●	1,0

Hat Mini



Ceiling recessed mounted



IP
20-54

CRI
>80

UGR
22

84°

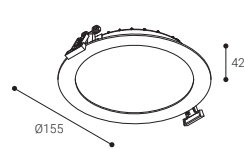
Expectancy
72000 h.
L70B10

Efficiency (%)
69,2

Photobiological safety

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.



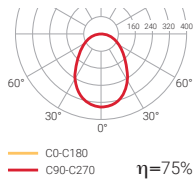
Minimum ceiling installation height
94

Diameter range
Ø125-150

Ideal cut out
Ø135
 Circular cut

- RAL9016
- RAL7001
- RAL9005

Microprismatic diffuser



	W	K	LUMEN	COLOUR	
EHM13B	1x10,9W	3000	1400 lm	○	0,3
EHM13G	1x10,9W	3000	1400 lm	●	0,3
EHM13N	1x10,9W	3000	1400 lm	●	0,3
EHM14B	1x10,9W	4000	1500 lm	○	0,3
EHM14G	1x10,9W	4000	1500 lm	●	0,3
EHM14N	1x10,9W	4000	1500 lm	●	0,3
EHM15B	1x10,9W	5000	1520 lm	○	0,3
EHM15G	1x10,9W	5000	1520 lm	●	0,3
EHM15N	1x10,9W	5000	1520 lm	●	0,3
EHM16B	1x10,9W	6000	1520 lm	○	0,5
EHM16G	1x10,9W	6000	1520 lm	●	0,5
EHM16N	1x10,9W	6000	1520 lm	●	0,3



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
EHM13DB	1x10,9W	3000	1400 lm	○	0,3
EHM13DG	1x10,9W	3000	1400 lm	●	0,3
EHM13DN	1x10,9W	3000	1400 lm	●	0,3
EHM14DB	1x10,9W	4000	1500 lm	○	0,3
EHM14DG	1x10,9W	4000	1500 lm	●	0,3
EHM14DN	1x10,9W	4000	1500 lm	●	0,3
EHM15DB	1x10,9W	5000	1520 lm	○	0,3
EHM15DG	1x10,9W	5000	1520 lm	●	0,3
EHM15DN	1x10,9W	5000	1520 lm	●	0,3
EHM16DB	1x10,9W	6000	1520 lm	○	0,3
EHM16DG	1x10,9W	6000	1520 lm	●	0,3
EHM16DN	1x10,9W	6000	1520 lm	●	0,3

Hat Mini Q



IP
20-54

CRI
>80

UGR
22

84°

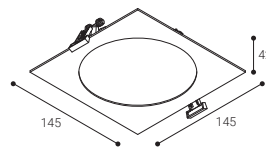
Expectancy
72000 h.
L70B10

Efficiency (%)
69,2

Photobiological safety

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.



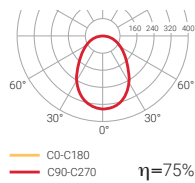
Minimum ceiling installation height
94

Diameter range
Ø125-140

Ideal cut out
Ø135
Circular cut

- RAL9016
- RAL7001
- RAL9005

Microprismatic diffuser



	W	K	LUMEN	COLOUR	
EHMQ13B	1x10,9W	3000	1400 lm	○	0,3
EHMQ13G	1x10,9W	3000	1400 lm	●	0,3
EHMQ13N	1x10,9W	3000	1400 lm	●	0,3
EHMQ14B	1x10,9W	4000	1500 lm	○	0,3
EHMQ14G	1x10,9W	4000	1500 lm	●	0,3
EHMQ14N	1x10,9W	4000	1500 lm	●	0,3
EHMQ15B	1x10,9W	5000	1520 lm	○	0,3
EHMQ15G	1x10,9W	5000	1520 lm	●	0,3
EHMQ15N	1x10,9W	5000	1520 lm	●	0,3
EHMQ16B	1x10,9W	6000	1520 lm	○	0,3
EHMQ16G	1x10,9W	6000	1520 lm	●	0,3
EHMQ16N	1x10,9W	6000	1520 lm	●	0,3



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
EHMQ13DB	1x10,9W	3000	1400 lm	○	0,3
EHMQ13DG	1x10,9W	3000	1400 lm	●	0,3
EHMQ13DN	1x10,9W	3000	1400 lm	●	0,3
EHMQ14DB	1x10,9W	4000	1500 lm	○	0,3
EHMQ14DG	1x10,9W	4000	1500 lm	●	0,3
EHMQ14DN	1x10,9W	4000	1500 lm	●	0,3
EHMQ15DB	1x10,9W	5000	1520 lm	○	0,3
EHMQ15DG	1x10,9W	5000	1520 lm	●	0,3
EHMQ15DN	1x10,9W	5000	1520 lm	●	0,3
EHMQ16DB	1x10,9W	6000	1520 lm	○	0,3
EHMQ16DG	1x10,9W	6000	1520 lm	●	0,3
EHMQ16DN	1x10,9W	6000	1520 lm	●	0,3

Hat Micro



Ceiling recessed mounted



IP
20-54

CRI
>80

UGR
22

84°

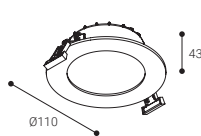
Expectancy
50000 h.
L70B10

Efficiency (%)
75,1

Photobiological safety

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

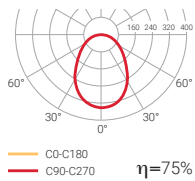


Diameter range
Ø92-105

Ideal cut out
Ø100
Circular cut

- RAL9016
- RAL7001
- RAL9005

Microprismatic diffuser



	W	K	LUMEN	COLOUR	
EHP03B	1x4,8W	3000	460 lm	○	0,5
EHP03G	1x4,8W	3000	460 lm	●	0,5
EHP03N	1x4,8W	3000	460 lm	●	0,5
EHP04B	1x4,8W	4000	500 lm	○	0,5
EHP04G	1x4,8W	4000	500 lm	●	0,5
EHP04N	1x4,8W	4000	500 lm	●	0,5
EHP05B	1x4,8W	5000	510 lm	○	0,5
EHP05G	1x4,8W	5000	510 lm	●	0,5
EHP05N	1x4,8W	5000	510 lm	●	0,5
EHP06B	1x4,8W	6000	510 lm	○	0,5
EHP06G	1x4,8W	6000	510 lm	●	0,5
EHP06N	1x4,8W	6000	510 lm	●	0,5