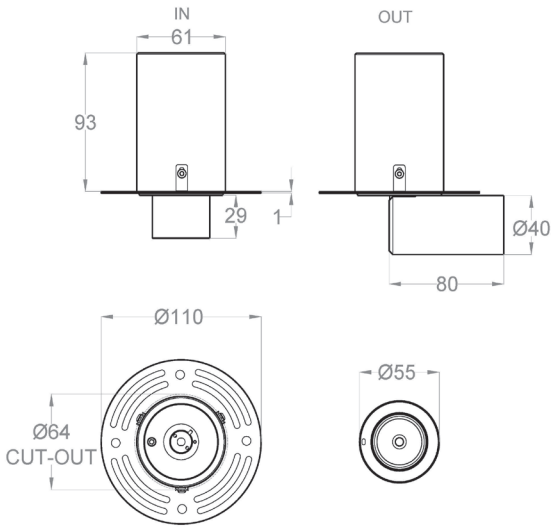
Tono In&Out F

Indoor | Downlights | IP40 | Class III | Dimmable





LIGHT SOURCE & OPTIC

Power
3W
6W/9W

Lens
3° - 3W
10°/ 30°/ 50° - 6/9W

Beam Direction
Adjustable (Symmetrical):
Tilting +/- 90°, rotating +/- 355°,

Material
PMMA

LED quantity
1

Binning
2 MacAdam steps

Color temperature & quality
2200K CRI>80
2700K CRI>80
3000K CRI>80/90
3500K CRI>80
4000K CRI>80

Lifetime (Ta 25°)
L_{90} >60.500 hrs

Output (3000K CRI>90)
265 lm @ 900mA
578 lm @ 500mA / 784 lm @ 700mA

FIXTURE

Dimensions
Ø 40mm x H 80mm (cylinder)

Material
Aluminium

Body finishes
Black (RAL 9005)
Dark bronze
White (RAL 9003)

Weight
360gr

Mounting
Semi-recessed: cut out Ø 64mm

Fixing
Fixing Frame

Working temperature
-20° / +40°

ELECTRICAL FEATURES

Power supply
Constant current:
900mA
500mA / 700mA
Typical Vf= 3V (3W)
Typical Vf= 12V (6/9 W)

Driver requirement
Remote (not included)

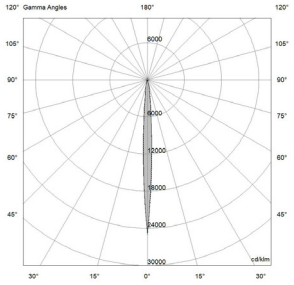
Control
On/off
Push switch
Phase Cut
0/1-10 V
Casambi
DALI

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Tono In&Out F

PHOTOMETRIC DATA (3000K CRI>80)

3W - 3° | UGR 7

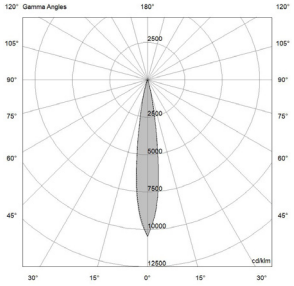


H (m)	D (m)	Eav (lx)
1	0.11	3323
2	0.23	831
3	0.34	369
4	0.46	208
5	0.57	133

Total lumen output
219 lm

Efficacy
73 lm/W

6W - 10° | UGR 9

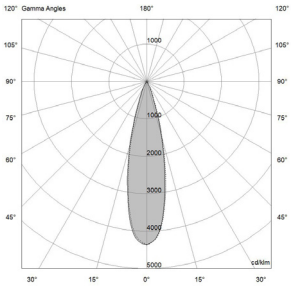


H (m)	D (m)	Eav (lx)
1	0.27	3438
2	0.55	859
3	0.82	382
4	1.10	215
5	1.37	138

Total lumen output
520 lm

Efficacy
87 lm/W

6W - 30° | UGR 13

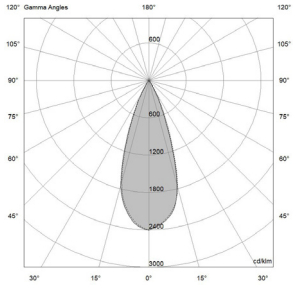


H (m)	D (m)	Eav (lx)
1	0.45	1283
2	0.90	321
3	1.35	143
4	1.80	80
5	2.25	51

Total lumen output
466 lm

Efficacy
78 lm/W

6W - 50° | UGR 15

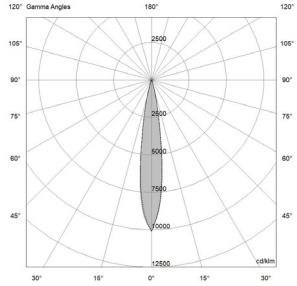


H (m)	D (m)	Eav (lx)
1	0.69	653
2	1.37	163
3	2.06	73
4	2.74	41
5	3.43	26

Total lumen output
442 lm

Efficacy
74 lm/W

9W - 10° | UGR 10

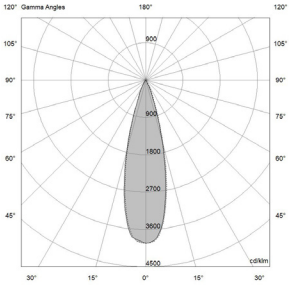


H (m)	D (m)	Eav (lx)
1	0.28	4495
2	0.56	1124
3	0.84	499
4	1.12	281
5	1.40	180

Total lumen output
703 lm

Efficacy
78 lm/W

9W - 30° | UGR 14

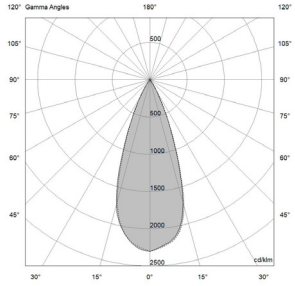


H (m)	D (m)	Eav (lx)
1	0.49	1600
2	0.98	400
3	1.47	178
4	1.96	100
5	2.45	64

Total lumen output
640 lm

Efficacy
71 lm/W

9W - 50° | UGR 20



H (m)	D (m)	Eav (lx)
1	0.70	857
2	1.40	214
3	2.11	95
4	2.81	54
5	3.51	34

Total lumen output
599 lm

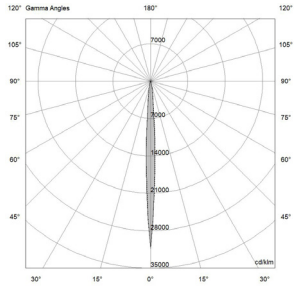
Efficacy
66 lm/W

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Tono In&Out F

PHOTOMETRIC DATA (3000K CRI>80) - with hex louver

3W - 3° | UGR 1

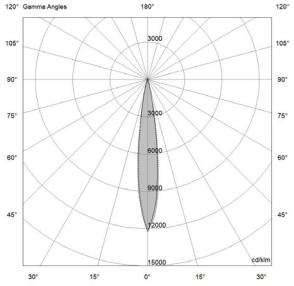


H (m)	D (m)	Eav (lx)
1	0.10	3157
2	0.21	789
3	0.31	351
4	0.41	197
5	0.52	126

Total lumen output
166 lm

Efficacy
55 lm/W

6W - 10° | UGR 3

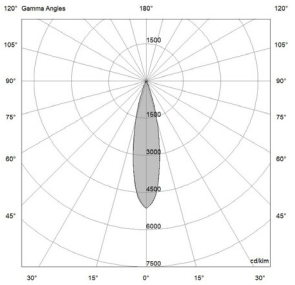


H (m)	D (m)	Eav (lx)
1	0.25	3181
2	0.51	795
3	0.76	353
4	1.01	199
5	1.27	127

Total lumen output
413 lm

Efficacy
69 lm/W

6W - 30° | UGR 8

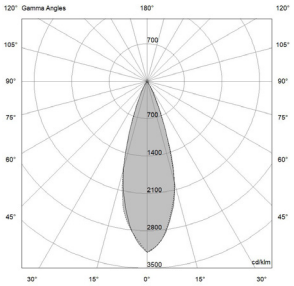


H (m)	D (m)	Eav (lx)
1	0.41	1111
2	0.82	278
3	1.23	123
4	1.64	69
5	2.05	44

Total lumen output
346 lm

Efficacy
58 lm/W

6W - 50° | UGR 8

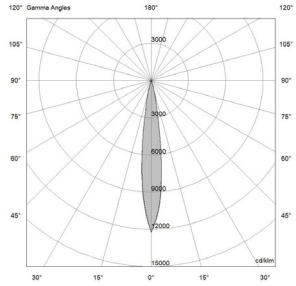


H (m)	D (m)	Eav (lx)
1	0.59	579
2	1.18	145
3	1.76	64
4	2.35	36
5	2.94	23

Total lumen output
297 lm

Efficacy
49 lm/W

9W - 10° | UGR 14

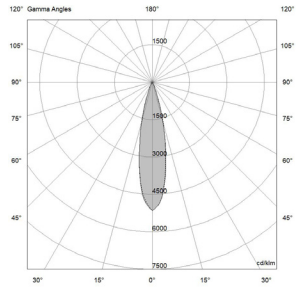


H (m)	D (m)	Eav (lx)
1	0.25	4108
2	0.51	1027
3	0.76	456
4	1.02	257
5	1.27	164

Total lumen output
536 lm

Efficacy
59 lm/W

9W - 30° | UGR 4

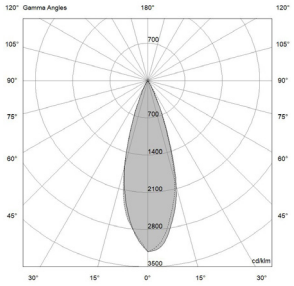


H (m)	D (m)	Eav (lx)
1	0.41	1438
2	0.82	359
3	1.23	160
4	1.64	90
5	2.05	58

Total lumen output
447 lm

Efficacy
50 lm/W

9W - 50° | UGR 20



H (m)	D (m)	Eav (lx)
1	0.58	757
2	1.17	189
3	1.75	84
4	2.33	47
5	2.92	30

Total lumen output
389 lm

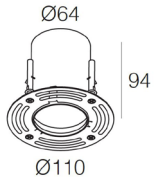
Efficacy
43 lm/W

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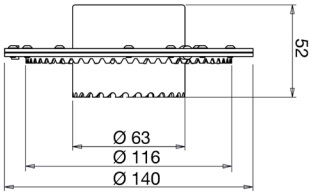
INSTALLATION ACCESSORIES

Fixing frame (A01850._ 0)
Necessary element: please specify always 1 frame for each Fixture in the purchase order



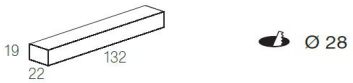
INSTALLATION TOOL

Hole saw (A00830.H0)
available for easier installation

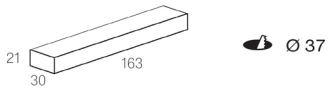


SUGGESTED REMOTE DRIVERS

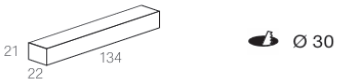
On/Off :
CC10-F-500/700-SI



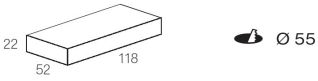
CC23-F-900-SP



Multifunction (DALI 2, 0/1-10V, PUSH RIPPLE FREE, AM DIMMING):
CC15-D-500/700-S



CC25-DM-900-N



Other options upon request

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