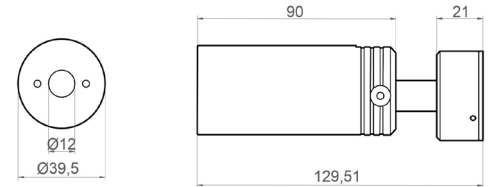


Tono P90 with hex louver

Projectors | IP40 | Class III | Dimmable



LIGHT SOURCE & OPTIC

Power

3W
6W
9W

Lens

3° - 3W
10°/ 30°/ 50° - 6/9W

Beam Direction

Adjustable:
Tilting +/-100°, rotating +/-355°,
Symmetrical

Material

PMMA

LED quantity

1

Binning

2 MacAdam steps

Color temperature & quality

2700K CRI>80
3000K CRI>80/90
3500K CRI>80
4000K CRI>80

Lifetime

(L90) >60.500 hrs

FIXTURE

Dimensions

Ø 40mm x Hmax 130mm

Material

Aluminium

Body finishes

Black (RAL 9005)
White (RAL 9003)
Titanium
Champagne gold
Gray

Weight

180gr

Mounting

Surface

Fixing

Base for inner connection

Working temperature

-20° / +40°

ELECTRICAL FEATURES

Power supply

Constant current:
500mA
700mA
900mA
Typical Vf= 3V - 900mA
Typical Vf= 12V - 500/700mA

Driver requirement

Remote (not included)

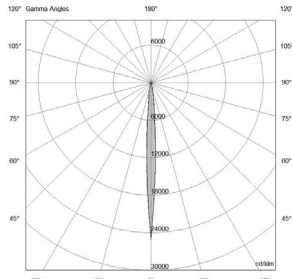
Control

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

Tono P90 with hex louver

PHOTOMETRIC DATA (3000K CRI>80)

3W - 3° | UGR 0

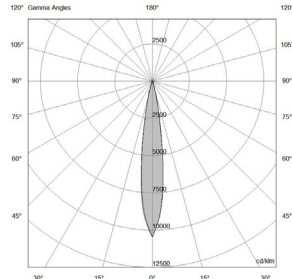


H (m)	D (m)	Eav (lx)
1	0.10	3157
2	0.21	789
3	0.31	351
4	0.41	197
5	0.52	126

Total lumen output
165 lm

Efficacy
55 lm/W

6W - 10° | UGR 2

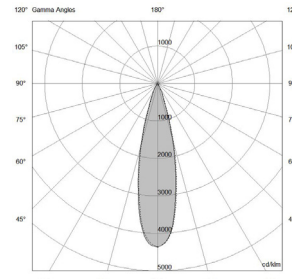


H (m)	D (m)	Eav (lx)
1	0.25	3181
2	0.51	795
3	0.76	353
4	1.01	199
5	1.27	127

Total lumen output
412 lm

Efficacy
69 lm/W

6W - 30° | UGR 6

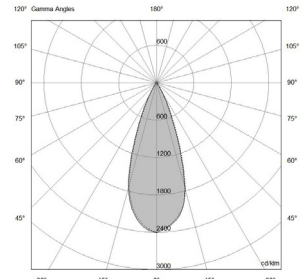


H (m)	D (m)	Eav (lx)
1	0.41	1111
2	0.82	278
3	1.23	123
4	1.64	69
5	2.05	44

Total lumen output
345 lm

Efficacy
57 lm/W

6W - 50° | UGR 8

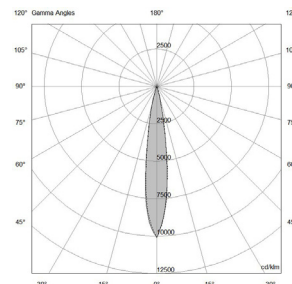


H (m)	D (m)	Eav (lx)
1	0.59	579
2	1.18	145
3	1.76	64
4	2.35	36
5	2.94	23

Total lumen output
297 lm

Efficacy
50 lm/W

9W - 10° | UGR 3

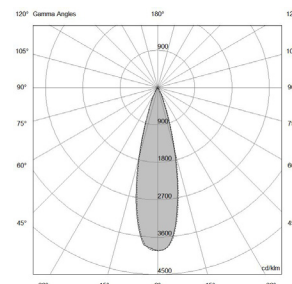


H (m)	D (m)	Eav (lx)
1	0.25	4108
2	0.51	1027
3	0.76	456
4	1.02	257
5	1.27	164

Total lumen output
535 lm

Efficacy
59 lm/W

9W - 30° | UGR 8

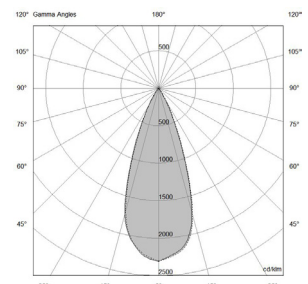


H (m)	D (m)	Eav (lx)
1	0.41	1438
2	0.82	359
3	1.24	160
4	1.65	90
5	2.06	58

Total lumen output
447 lm

Efficacy
50 lm/W

9W - 50° | UGR 10



H (m)	D (m)	Eav (lx)
1	0.59	757
2	1.18	189
3	1.77	84
4	2.36	47
5	2.95	30

Total lumen output
390 lm

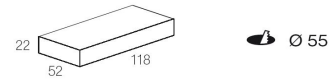
Efficacy
43 lm/W

Tono P90 with hex louver

SUGGESTED REMOTE DRIVERS

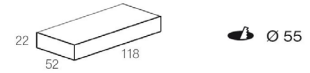
On/Off (RIPPLE FREE):

CC20-F-500/700/900-N



Multifunction (DALI 2, 0/1-10V, PUSH RIPPLE FREE, AM DIMMING):

CC25-DM-500/700/900-N



Other options upon request