

Types



Distribuzione della luce



UNICO Q1 / Q4 basic

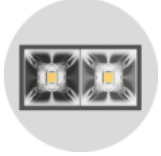
recessed

EN Square recessed multi-downlight made of die-cast aluminium; equipped with one (Q1) / four (Q4) individually selectable or pre-specified, customised light element(s); or with a sensor; installation without tools in mounting set with ball catch system; easy electrical installation by means of reverse polarity protected plug-in connections; suitable for ceiling thickness of 2-25 mm; surface powder coated; installation possible in different housings; high-quality reflector with micro-faceted, aluminum-vaporised surface; precise radiation characteristic with different symmetrical light distributions; or with asymmetric light distribution; energy-efficient high power LEDs with very good colour rendering; clank-free

IT Downlight multiplo quadrato da incasso in alluminio pressofuso; dotata di una lente (Q1) / quattro lenti (Q4) selezionabili individualmente o definite per applicazioni specifiche; oppure con un sensore (Q1); set di fissaggio con cuscinetto a sfera, senza bisogno di utensili; montaggio elettrico semplice grazie a collegamenti a spina a prova di polarizzazione inversa; per soffitti di spessore 2-25 mm; verniciatura a polvere; incasso possibile in vari telai; riflettore di alta qualità con superficie a microfaccette e vaporizzata in alluminio; emissione precisa con diversi fasci luminosi simmetrici; o con distribuzione asimmetrica della luce; LED high power a risparmio energetico con ottima resa cromatica; senza distorsione



sensor version available



black & chrome reflector



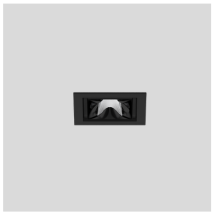
one luminaire multiple scenes



plug / socket connector



tunable white 2700 – 5000 K (optional)



155



UNICO Q1 basic high efficient

CRI ≥ 90 | 2 SDCM | UGR ≤ 19 | cd/m² ≤ 3000 | 220-240 V | 1 ADDR. | X-PERT

FLOOD ROUND 46°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
4.1 W	2700 K	437 lm	107 lm/W	0 9 0 - 7 Q 1 9 ⇕ C 0 ◪ 3 1
	3000 K	437 lm	107 lm/W	0 9 0 - 7 Q 1 0 ⇕ C 0 ◪ 3 1
	3500 K	455 lm	111 lm/W	0 9 0 - 7 Q 1 2 ⇕ C 0 ◪ 3 1
	4000 K	464 lm	113 lm/W	0 9 0 - 7 Q 1 1 ⇕ C 0 ◪ 3 1

WIDE FLOOD ROUND 71°, CRI ≥ 90

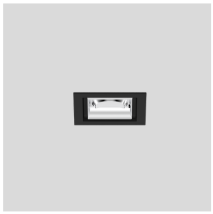
SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
4.1 W	2700 K	449 lm	110 lm/W	0 9 0 - 7 Q 1 9 ⇕ D 0 ◪ 3 1
	3000 K	449 lm	110 lm/W	0 9 0 - 7 Q 1 0 ⇕ D 0 ◪ 3 1
	3500 K	468 lm	114 lm/W	0 9 0 - 7 Q 1 2 ⇕ D 0 ◪ 3 1
	4000 K	477 lm	116 lm/W	0 9 0 - 7 Q 1 1 ⇕ D 0 ◪ 3 1

FLOOD SQUARE 54°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
4.1 W	2700 K	459 lm	112 lm/W	0 9 0 - 7 Q 1 9 ⇕ F 0 ◪ 3 1
	3000 K	459 lm	112 lm/W	0 9 0 - 7 Q 1 0 ⇕ F 0 ◪ 3 1
	3500 K	478 lm	117 lm/W	0 9 0 - 7 Q 1 2 ⇕ F 0 ◪ 3 1
	4000 K	487 lm	119 lm/W	0 9 0 - 7 Q 1 1 ⇕ F 0 ◪ 3 1

WIDE FLOOD SQUARE 71°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
4.1 W	2700 K	471 lm	115 lm/W	0 9 0 - 7 Q 1 9 ⇕ G 0 ◪ 3 1
	3000 K	471 lm	115 lm/W	0 9 0 - 7 Q 1 0 ⇕ G 0 ◪ 3 1
	3500 K	491 lm	120 lm/W	0 9 0 - 7 Q 1 2 ⇕ G 0 ◪ 3 1
	4000 K	501 lm	122 lm/W	0 9 0 - 7 Q 1 1 ⇕ G 0 ◪ 3 1



155



UNICO Q1 basic

CRI ≥ 90 | UGR ≤ 10 | cd/m² ≤ 1500 | 220-240 V | 1 ADDR. | X-PERT

SPOT ROUND 15°, chrome reflector, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	265 lm	44 lm/W	0 9 0 - 7 Q 1 4 ⇕ K 0 0 2 1
	3000 K	287 lm	48 lm/W	0 9 0 - 7 Q 1 5 ⇕ K 0 0 2 1
	4000 K	299 lm	50 lm/W	0 9 0 - 7 Q 1 6 ⇕ K 0 0 2 1

Order options

CONTROL	⇕	COLOUR	◪	COLOUR	
non DIM	1	chrome reflector	0	jet black	RAL 9005
DALI-2	3	black reflector	B	traffic white	RAL 9016

NARROW MEDIUM ROUND 22°, chrome reflector, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	269 lm	45 lm/W	0 9 0 - 7 Q 1 4 ⇕ N 0 0 2 1
	3000 K	292 lm	49 lm/W	0 9 0 - 7 Q 1 5 ⇕ N 0 0 2 1
	4000 K	303 lm	51 lm/W	0 9 0 - 7 Q 1 6 ⇕ N 0 0 2 1

MEDIUM ROUND 33°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	359 lm	60 lm/W	0 9 0 - 7 Q 1 4 ⇕ B 0 ◪ 2 1
	3000 K	390 lm	65 lm/W	0 9 0 - 7 Q 1 5 ⇕ B 0 ◪ 2 1
	4000 K	406 lm	68 lm/W	0 9 0 - 7 Q 1 6 ⇕ B 0 ◪ 2 1

FLOOD ROUND 49°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	413 lm	69 lm/W	0 9 0 - 7 Q 1 4 ⇕ C 0 ◪ 2 1
	3000 K	449 lm	75 lm/W	0 9 0 - 7 Q 1 5 ⇕ C 0 ◪ 2 1
	4000 K	466 lm	78 lm/W	0 9 0 - 7 Q 1 6 ⇕ C 0 ◪ 2 1

WIDE FLOOD ROUND 72°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	409 lm	68 lm/W	0 9 0 - 7 Q 1 4 ⇕ D 0 ◪ 2 1
	3000 K	444 lm	74 lm/W	0 9 0 - 7 Q 1 5 ⇕ D 0 ◪ 2 1
	4000 K	462 lm	77 lm/W	0 9 0 - 7 Q 1 6 ⇕ D 0 ◪ 2 1

MEDIUM SQUARE 32°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	353 lm	59 lm/W	0 9 0 - 7 Q 1 4 ⇕ E 0 ◪ 2 1
	3000 K	384 lm	64 lm/W	0 9 0 - 7 Q 1 5 ⇕ E 0 ◪ 2 1
	4000 K	399 lm	67 lm/W	0 9 0 - 7 Q 1 6 ⇕ E 0 ◪ 2 1

FLOOD SQUARE 56°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	420 lm	70 lm/W	0 9 0 - 7 Q 1 4 ⇕ F 0 ◪ 2 1
	3000 K	456 lm	76 lm/W	0 9 0 - 7 Q 1 5 ⇕ F 0 ◪ 2 1
	4000 K	474 lm	79 lm/W	0 9 0 - 7 Q 1 6 ⇕ F 0 ◪ 2 1

RECTANGULAR MEDIUM 34°x69°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	365 lm	61 lm/W	0 9 0 - 7 Q 1 4 ⇕ R 0 ◪ 2 1
	3000 K	396 lm	66 lm/W	0 9 0 - 7 Q 1 5 ⇕ R 0 ◪ 2 1
	4000 K	411 lm	69 lm/W	0 9 0 - 7 Q 1 6 ⇕ R 0 ◪ 2 1

Order options

CONTROL ⇕		COLOUR ◪		COLOUR	
non DIM	1	chrome reflector	0	jet black	RAL 9005
DALI-2	3	black reflector	B	traffic white	RAL 9016

WIDE FLOOD SQUARE 71°, CRI ≥ 90

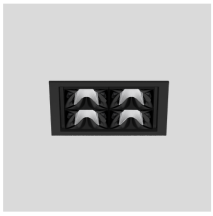
SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	432 lm	72 lm/W	0 9 0 - 7 Q 1 4 ⇕ G 0 ◪ 2 1
	3000 K	469 lm	78 lm/W	0 9 0 - 7 Q 1 5 ⇕ G 0 ◪ 2 1
	4000 K	487 lm	81 lm/W	0 9 0 - 7 Q 1 6 ⇕ G 0 ◪ 2 1

WALLWASHER chrome reflector, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	365 lm	61 lm/W	0 9 0 - 7 Q 1 4 ⇕ A 0 0 2 1
	3000 K	397 lm	66 lm/W	0 9 0 - 7 Q 1 5 ⇕ A 0 0 2 1
	4000 K	412 lm	69 lm/W	0 9 0 - 7 Q 1 6 ⇕ A 0 0 2 1

WALLWASHER FLOOR CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
6.0 W	2700 K	381 lm	64 lm/W	0 9 0 - 7 Q 1 4 ⇕ W 0 ◪ 2 1
	3000 K	414 lm	69 lm/W	0 9 0 - 7 Q 1 5 ⇕ W 0 ◪ 2 1
	4000 K	430 lm	72 lm/W	0 9 0 - 7 Q 1 6 ⇕ W 0 ◪ 2 1







UNICO Q4 basic high efficient

CRI ≥ 90 · 2 SDCM · UGR ≤ 16 · cd/m² ≤ 3000 · 220-240 V · DALI 1 ADDR. · X-PERT

FLOOD ROUND 46°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
11.6 W	2700 K	1340 lm	116 lm/W	0 9 0 - 7 Q 4 9 ⇕ C 0 ◪ 3 1
	3000 K	1340 lm	116 lm/W	0 9 0 - 7 Q 4 0 ⇕ C 0 ◪ 3 1
	3500 K	1400 lm	121 lm/W	0 9 0 - 7 Q 4 2 ⇕ C 0 ◪ 3 1
	4000 K	1420 lm	122 lm/W	0 9 0 - 7 Q 4 1 ⇕ C 0 ◪ 3 1

WIDE FLOOD ROUND 71°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
11.6 W	2700 K	1380 lm	119 lm/W	0 9 0 - 7 Q 4 9 ⇕ D 0 ◪ 3 1
	3000 K	1380 lm	119 lm/W	0 9 0 - 7 Q 4 0 ⇕ D 0 ◪ 3 1
	3500 K	1440 lm	124 lm/W	0 9 0 - 7 Q 4 2 ⇕ D 0 ◪ 3 1
	4000 K	1460 lm	126 lm/W	0 9 0 - 7 Q 4 1 ⇕ D 0 ◪ 3 1

FLOOD SQUARE 54°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
11.6 W	2700 K	1410 lm	122 lm/W	0 9 0 - 7 Q 4 9 ⇕ F 0 ◪ 3 1
	3000 K	1410 lm	122 lm/W	0 9 0 - 7 Q 4 0 ⇕ F 0 ◪ 3 1
	3500 K	1470 lm	127 lm/W	0 9 0 - 7 Q 4 2 ⇕ F 0 ◪ 3 1
	4000 K	1500 lm	129 lm/W	0 9 0 - 7 Q 4 1 ⇕ F 0 ◪ 3 1

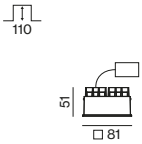
Order options

CONTROL	⇕	COLOUR	◪	COLOUR	
non DIM	1	chrome reflector	0	jet black	RAL 9005
DALI-2	3	black reflector	B	traffic white	RAL 9016

WIDE FLOOD SQUARE 71°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
11.6 W	2700 K	1450 lm	125 lm/W	0 9 0 - 7 Q 4 9 ◆ G 0 ◪ 3 1
	3000 K	1450 lm	125 lm/W	0 9 0 - 7 Q 4 0 ◆ G 0 ◪ 3 1
	3500 K	1510 lm	130 lm/W	0 9 0 - 7 Q 4 2 ◆ G 0 ◪ 3 1
	4000 K	1540 lm	133 lm/W	0 9 0 - 7 Q 4 1 ◆ G 0 ◪ 3 1





UNICO Q4 basic

CRI ≥ 90 · UGR ≤ 10 · cd/m² ≤ 1500 · 220-240 V · 1 ADDR. · X-PERT

SPOT ROUND 15°, chrome reflector, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	816 lm	62 lm/W	0 9 0 - 7 Q 4 4 ◆ K 0 0 2 1
	3000 K	870 lm	66 lm/W	0 9 0 - 7 Q 4 5 ◆ K 0 0 2 1
	4000 K	934 lm	71 lm/W	0 9 0 - 7 Q 4 6 ◆ K 0 0 2 1

NARROW MEDIUM ROUND 22°, chrome reflector, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	830 lm	63 lm/W	0 9 0 - 7 Q 4 4 ◆ N 0 0 2 1
	3000 K	884 lm	67 lm/W	0 9 0 - 7 Q 4 5 ◆ N 0 0 2 1
	4000 K	949 lm	72 lm/W	0 9 0 - 7 Q 4 6 ◆ N 0 0 2 1

MEDIUM ROUND 33°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1110 lm	85 lm/W	0 9 0 - 7 Q 4 4 ◆ B 0 ◪ 2 1
	3000 K	1180 lm	90 lm/W	0 9 0 - 7 Q 4 5 ◆ B 0 ◪ 2 1
	4000 K	1270 lm	97 lm/W	0 9 0 - 7 Q 4 6 ◆ B 0 ◪ 2 1

FLOOD ROUND 49°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1280 lm	98 lm/W	0 9 0 - 7 Q 4 4 ◆ C 0 ◪ 2 1
	3000 K	1360 lm	104 lm/W	0 9 0 - 7 Q 4 5 ◆ C 0 ◪ 2 1
	4000 K	1460 lm	111 lm/W	0 9 0 - 7 Q 4 6 ◆ C 0 ◪ 2 1

WIDE FLOOD ROUND 72°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1260 lm	96 lm/W	0 9 0 - 7 Q 4 4 ◆ D 0 ◪ 2 1
	3000 K	1350 lm	103 lm/W	0 9 0 - 7 Q 4 5 ◆ D 0 ◪ 2 1
	4000 K	1440 lm	110 lm/W	0 9 0 - 7 Q 4 6 ◆ D 0 ◪ 2 1

Order options

CONTROL ◆		COLOUR ◪		COLOUR	
non DIM	1	chrome reflector	0	jet black	RAL 9005
DALI-2	3	black reflector	B	traffic white	RAL 9016

MEDIUM SQUARE 32°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1090 lm	83 lm/W	0 9 0 - 7 Q 4 4 ⇕ E 0 ◪ 2 1
	3000 K	1160 lm	89 lm/W	0 9 0 - 7 Q 4 5 ⇕ E 0 ◪ 2 1
	4000 K	1250 lm	95 lm/W	0 9 0 - 7 Q 4 6 ⇕ E 0 ◪ 2 1

FLOOD SQUARE 56°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1300 lm	99 lm/W	0 9 0 - 7 Q 4 4 ⇕ F 0 ◪ 2 1
	3000 K	1380 lm	105 lm/W	0 9 0 - 7 Q 4 5 ⇕ F 0 ◪ 2 1
	4000 K	1480 lm	113 lm/W	0 9 0 - 7 Q 4 6 ⇕ F 0 ◪ 2 1

WIDE FLOOD SQUARE 71°, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1330 lm	102 lm/W	0 9 0 - 7 Q 4 4 ⇕ G 0 ◪ 2 1
	3000 K	1420 lm	108 lm/W	0 9 0 - 7 Q 4 5 ⇕ G 0 ◪ 2 1
	4000 K	1520 lm	116 lm/W	0 9 0 - 7 Q 4 6 ⇕ G 0 ◪ 2 1

WALLWASHER chrome reflector, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1130 lm	86 lm/W	0 9 0 - 7 Q 4 4 ⇕ A 0 0 2 1
	3000 K	1200 lm	92 lm/W	0 9 0 - 7 Q 4 5 ⇕ A 0 0 2 1
	4000 K	1290 lm	98 lm/W	0 9 0 - 7 Q 4 6 ⇕ A 0 0 2 1

CORRIDOR chrome reflector, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1130 lm	86 lm/W	0 9 0 - 7 Q 4 4 ⇕ A 0 0 2 2
	3000 K	1200 lm	92 lm/W	0 9 0 - 7 Q 4 5 ⇕ A 0 0 2 2
	4000 K	1290 lm	98 lm/W	0 9 0 - 7 Q 4 6 ⇕ A 0 0 2 2

WALLWASHER FLOOR CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1180 lm	90 lm/W	0 9 0 - 7 Q 4 4 ⇕ W 0 ◪ 2 1
	3000 K	1250 lm	95 lm/W	0 9 0 - 7 Q 4 5 ⇕ W 0 ◪ 2 1
	4000 K	1340 lm	102 lm/W	0 9 0 - 7 Q 4 6 ⇕ W 0 ◪ 2 1

WALL + FLOOR chrome reflector, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1110 lm	85 lm/W	0 9 0 - 7 Q 4 4 ⇕ 9 0 0 2 1
	3000 K	1180 lm	90 lm/W	0 9 0 - 7 Q 4 5 ⇕ 9 0 0 2 1
	4000 K	1270 lm	97 lm/W	0 9 0 - 7 Q 4 6 ⇕ 9 0 0 2 1

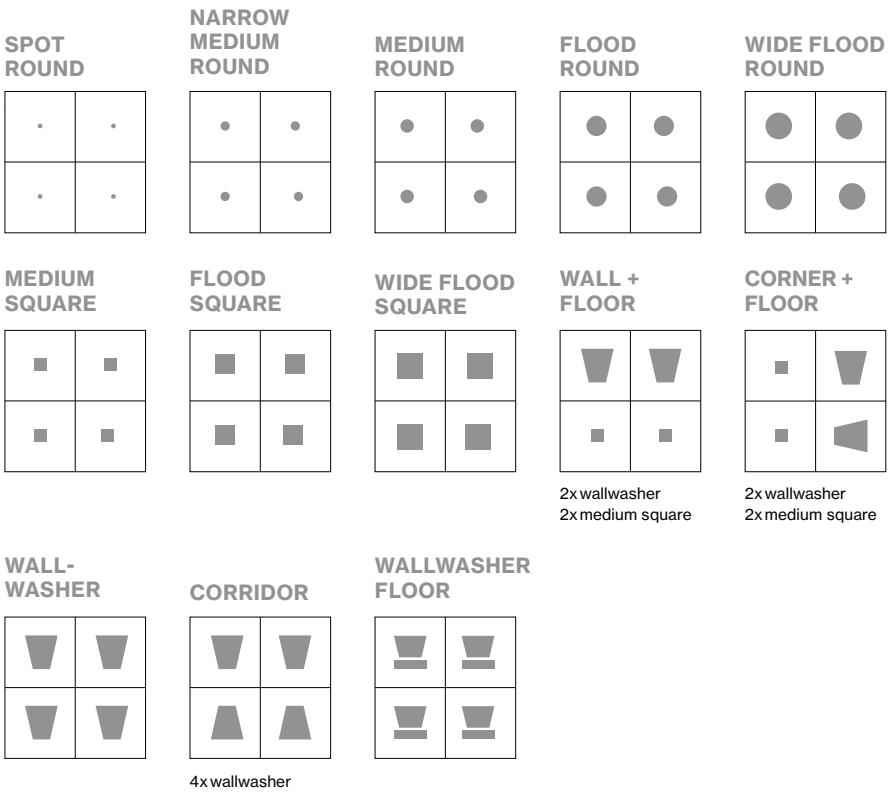
Order options

CONTROL	⇕	COLOUR	◪	COLOUR	
non DIM	1	chrome reflector	0	jet black	RAL 9005
DALI-2	3	black reflector	B	traffic white	RAL 9016

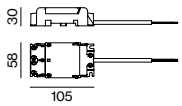
CORNER + FLOOR chrome reflector, CRI ≥ 90

SYSTEM	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
13.1 W	2700 K	1110 lm	85 lm/W	0 9 0 - 7 Q 4 4 ⇕ 9 0 0 2 2
	3000 K	1180 lm	90 lm/W	0 9 0 - 7 Q 4 5 ⇕ 9 0 0 2 2
	4000 K	1270 lm	97 lm/W	0 9 0 - 7 Q 4 6 ⇕ 9 0 0 2 2

Planning Information



Electrical mounting accessories (optional)

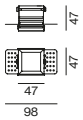


THROUGH WIRING CONNECTION BOX

TYPE	L·W·H (mm)	ORDER CODE
non DIM cable ø 4 – 12 mm	105·58·30	0 0 5 - 2 5 3 1 1 1 0
DALI cable ø 4 – 12 mm	105·58·30	0 0 5 - 2 5 5 1 1 1 0

Linect®-Ready

Mounting accessories (required)



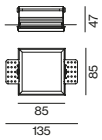
MOUNTING SET trimless for plasterboard ceilings

PLASTERBOARD CEILING THICKNESS	L·W·H (mm)	ORDER CODE
12.5/15/20/25 mm	47·47·47	0 9 0 - 7 Q 1 0 1 0 0

for UNICO Q1

Order options

CONTROL	⇕	COLOUR	
non DIM	1	jet black	RAL 9005
DALI-2	3	traffic white	RAL 9016



MOUNTING SET trimless for plasterboard ceilings

PLASTERBOARD CEILING THICKNESS	L·W·H (mm)	ORDER CODE
12.5/15/20/25 mm	85·85·47	0 9 0 - 7 Q 4 0 1 0 0

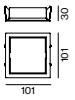
for UNICO Q4 | UNICO wall recessed 2 lamps



MOUNTING SET with trim for intermediate ceilings, 2-25 mm

COLOUR	L·W·H (mm)	ORDER CODE
jet black	63·63·30	0 9 0 - 7 Q 1 0 2 0 B
traffic white	63·63·30	0 9 0 - 7 Q 1 0 2 0 W

for UNICO Q1



MOUNTING SET with trim for intermediate ceilings, 2-25 mm

COLOUR	L·W·H (mm)	ORDER CODE
jet black	101·101·30	0 9 0 - 7 Q 4 0 2 0 B
traffic white	101·101·30	0 9 0 - 7 Q 4 0 2 0 W

for UNICO Q4 | UNICO wall recessed 2 lamps

Order options

COLOUR

jet black	RAL 9005
traffic white	RAL 9016

De House, Saint Niklaas

Belgio

Architetto
Jacobsen Arquitectura

Lighting Design
Rodrigo Jardim
(Illumination Strategic
Design Group)

Fotografo
Didier Engels Fernando
Guerra FG+SG



Prodotti utilizzati



**UNICO Q1 / Q4
recessed**

No liability is assumed for
typographical or printing errors.
© XAL GmbH · Auer-Welsbach-
Gasse 36 · 8055 Graz · Austria ·
www.xal.com











