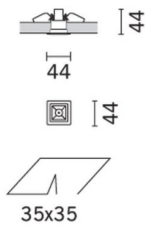
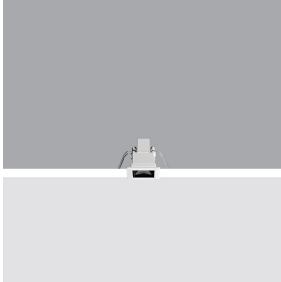


Last information update: February 2025

**Product configuration: R743**

R743: Square Recessed luminaire - LED Neutral white medium



**Product code**

R743: Square Recessed luminaire - LED Neutral white medium

**Technical description**

square miniaturised recessed luminaire for single LED - fixed optic - medium beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optic, integrated in a rear position in the black anti-glare screen. Connecting cable supplied. Ballast not included, available with separate code. Neutral white LED.

**Installation**

recessed with steel wire springs for false ceilings from 1 to 20 mm thick - preparation hole 35 x 35

**Colour**

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)\* | Grey / Black (74)\* | White / burnished chrome (E7)\*

**Weight (Kg)**

0.05

\* Colours on request

**Mounting**

wall recessed|ceiling recessed

**Wiring**

direct current ballasts to be ordered separately: electronic (MXF9) for max. 7 LEDs; DALI dimmable (BZM4) for max. 20 LEDs (check instruction leaflet for compatible lengths of cables to be used)

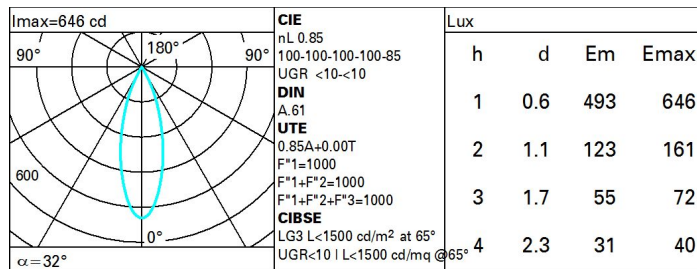
Complies with EN60598-1 and pertinent regulations



**Technical data**

Im system:	204	CRI (typical):	92
W system:	2	Colour temperature [K]:	4000
Im source:	240	MacAdam Step:	3
W source:	2	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	102	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	85	Number of optical assemblies:	1
Beam angle [°]:	32°	LED current [mA]:	700
CRI (minimum):	90		

**Polar**



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	70	69	67	78
1.0	80	77	74	72	76	74	73	71	83
1.5	84	81	79	78	80	79	78	75	89
2.0	87	85	83	82	84	82	81	79	93
2.5	88	87	86	85	86	85	84	81	96
3.0	89	88	88	87	87	86	85	83	98
4.0	90	90	89	89	88	88	87	84	99
5.0	91	90	90	90	89	89	87	85	100

UGR diagram

Corrected UGR values (at 240 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/cav											
walls											
work pl.											
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	-2.5	-2.0	-2.3	-1.8	-1.5	-2.5	-2.0	-2.3	-1.8	-1.5
	3H	-2.7	-2.2	-2.4	-1.9	-1.6	-2.7	-2.2	-2.4	-1.9	-1.6
	4H	-2.7	-2.3	-2.4	-2.0	-1.7	-2.7	-2.3	-2.4	-2.0	-1.7
	6H	-2.8	-2.4	-2.5	-2.1	-1.8	-2.8	-2.4	-2.5	-2.1	-1.8
	8H	-2.8	-2.5	-2.5	-2.1	-1.8	-2.8	-2.5	-2.5	-2.1	-1.8
	12H	-2.9	-2.5	-2.5	-2.2	-1.8	-2.9	-2.5	-2.5	-2.2	-1.8
4H	2H	-2.7	-2.3	-2.4	-2.0	-1.7	-2.7	-2.3	-2.4	-2.0	-1.7
	3H	-2.9	-2.5	-2.5	-2.2	-1.8	-2.9	-2.5	-2.5	-2.2	-1.8
	4H	-3.0	-2.6	-2.6	-2.3	-1.9	-3.0	-2.6	-2.6	-2.3	-1.9
	6H	-3.1	-2.8	-2.6	-2.4	-2.0	-3.1	-2.8	-2.6	-2.4	-2.0
	8H	-3.1	-2.8	-2.7	-2.4	-2.0	-3.1	-2.8	-2.7	-2.4	-2.0
	12H	-3.2	-2.9	-2.7	-2.5	-2.0	-3.2	-2.9	-2.7	-2.5	-2.0
8H	4H	-3.1	-2.8	-2.7	-2.4	-2.0	-3.1	-2.8	-2.7	-2.4	-2.0
	6H	-3.2	-3.0	-2.7	-2.5	-2.1	-3.2	-3.0	-2.7	-2.5	-2.1
	8H	-3.3	-3.1	-2.8	-2.6	-2.1	-3.3	-3.1	-2.8	-2.6	-2.1
	12H	-3.3	-3.2	-2.8	-2.7	-2.1	-3.3	-3.2	-2.8	-2.7	-2.1
12H	4H	-3.2	-2.9	-2.7	-2.5	-2.0	-3.2	-2.9	-2.7	-2.5	-2.0
	6H	-3.3	-3.1	-2.8	-2.6	-2.1	-3.3	-3.1	-2.8	-2.6	-2.1
	8H	-3.3	-3.2	-2.8	-2.7	-2.1	-3.3	-3.2	-2.8	-2.7	-2.1
Variations with the observer position at spacing:											
S =	1.0H	0.9 / -25.5					0.9 / -25.5				
	1.5H	9.7 / -26.0					9.7 / -26.0				
	2.0H	11.7 / -26.8					11.7 / -26.8				