reddot award 2015
winner

DESIGN AWARD 2015

GOOD DESIGN

TASK

suspended

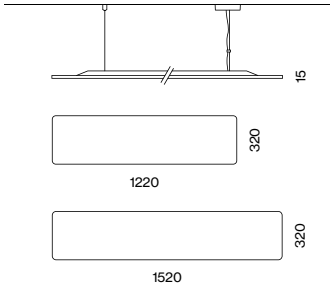
EN Rectangular housing made of aluminium with rounded edges; ultra low-profile design (only 15 mm); surface powder coated; 1500 mm cable suspension, tool-less height adjustment; incl. transparent feed; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; canopy with 2 cable openings and plug-in terminal for through wiring

DE Rechteckiger Leuchtenkörper aus Aluminium mit abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Oberfläche pulverbeschichtet; werkzeuglos höhenverstellbare 1500 mm Seilabhängung; inkl. transparenter Einspeiseleitung; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom und maximale Deckenaufhellung; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Baldachin mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

Quickinfo

3000 K, 4000 K, TW
CRI ≥ 90, 3 SDCM
UGR ≤ 19 / 65° ≤ 3000 cd/m²
up to 129 lm/W
L80 @ 50 000 h
DALI-2
microprismatic (UGR ≤ 19)
IP 40

Types



Colours

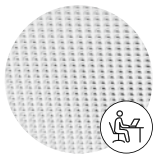
standard

xal.com/colours

Light distribution

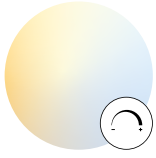
direct
indirect

DiiA® standards
251, 252, 253

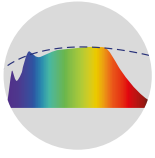


DIN EN 12464-1
UGR ≤ 19

direct / indirect
illumination



tunable white
2700 – 6500 K



CRI ≥ 98
XPECTRUM

Order options

SUSPENSION
cable 1500 mm

COLOUR TEMPERATURE
3000 K	0
4000 K	1
tunable white 2700 – 6500 K*	

*DALI-2 DT8; CRI ≥80

CONTROL
DALI-2

MATERIAL COLOUR
○ pure white RAL 9010	7
● jet black RAL 9005	8
special colours* p. 992	X

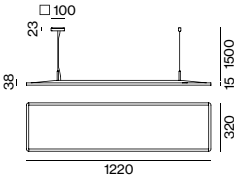
*canopy always in white

LIGHT OPTIC COVER
microprismatic (UGR ≤ 19)

Options on request

COLOUR RENDERING INDEX
CRI ≥ 80
CRI ≥ 98 XPECTRUM

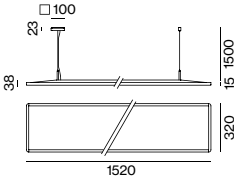
CONTROL
ESSENTIAL sensor
(brightness & presence)



TASK 1200 suspended

CRI ≥90 | UGR ≤19 | cd/m² ≤3000 | RG0 IEC 62471 | 1 ADDR. | 220-240V | X-PERT | X-PERT

DIRECT / INDIRECT POWER
SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
50 W	3000 K	↧3890 / ↥2180 lm	059-2224 :: 3 ◪ K
	4000 K	↧4140 / ↥2320 lm	
52 W	2700 – 6500 K	↧3620 / ↥2100 lm	059-2224D3 ◪ K

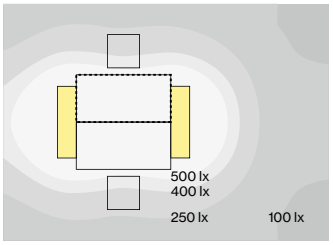


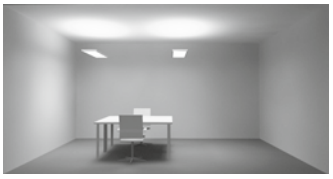
TASK 1500 suspended

CRI ≥90 | UGR ≤19 | cd/m² ≤3000 | RG0 IEC 62471 | 1 ADDR. | 220-240V | X-PERT | X-PERT

DIRECT / INDIRECT POWER
SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
63 W	3000 K	↧4860 / ↥2720 lm	059-2225 :: 3 ◪ K
	4000 K	↧5170 / ↥2900 lm	
64 W	2700 – 6500 K	↧4530 / ↥2630 lm	059-2225D3 ◪ K

Technical data





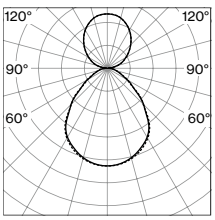
TASK 1200 suspended
50 W, 4000 K, direct / indirect power

ROOM VALUES
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7 | 0.5 | 0.2
Maintenance factor	0.8
Suspension height	2.25 m

CALCULATION SURFACE ·····
Surface dimensions	1.6 × 0.8 m
Surface height	0.75 m
Average illuminance (E_m)	> 500 lx
Uniformity (U_0)	> 0.6

GLARE EVALUATION
Table Classification X=4H | Y=8H | S=0.25H
UGR transversal ≤ 19
UGR axial ≤ 19
≥ 65° ≤ 3000 cd/m²

Light distribution



microprismatic
direct / indirect power

LUMINOUS FLUX value calculated for
CRI ≥90, colour white, cover microprismatic