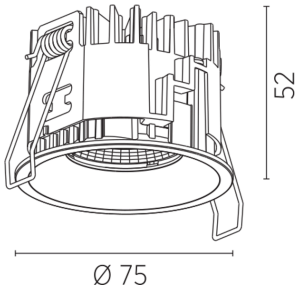
PROLICHT
designed to create

INVADER COMPACT

03 CRYSTAL WHITE Crystal white



220-0970

600 mA IP44 16 - 20 Vf excl. 55 68mm 1-25mm

MOUNTING

Mounting location:	Ceiling
Type:	Recessed

ELECTRICAL

Control gear needed:	Yes
Control gear included:	No
Dimming:	Depending on driver
Total power:	12 W
Power loss ballast:	1.1 W

DIMENSION

Diameter:	75 mm
Height:	52 mm
Weight (net):	0.181 kg
Cut out:	D = 68 mm
Min. recessed depth:	55 mm

LIGHT

Adjustability:	fixed
Light calculation:	Direct
FWHM / Beam Angle:	18° (Spot)
Optics:	No selection

LAMP DESCRIPTION

Lamp type:	LED
Service Life:	L80B10 50000h at 25° C
Luminous flux of the light source:	1141 lm
Luminous flux of the luminaire:	1012 lm
Efficacy:	84.3 lm/W
Colour rendering index (CRI):	90
MacAdam:	3
Risk Group:	RG1
LED colour direct:	2700K

ORDER NUMBER

220-0970.03.27-22-00

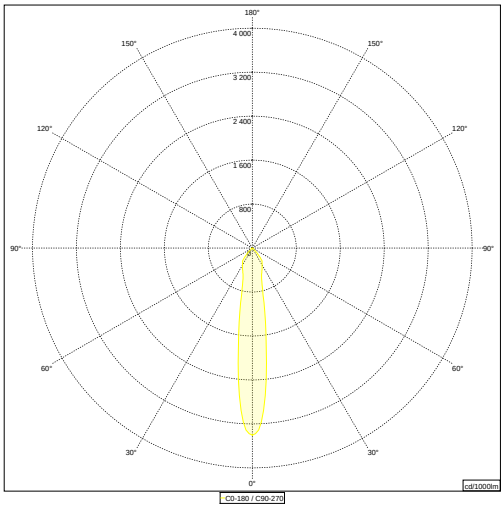
GOLD | Top 5% ecovadis Sustainability Rating MAY 2024

TÜV AUSTRIA ZERTIFIZIERT TÜV AUSTRIA CERT GMBH EN ISO 9001 20100163001383 EN ISO 14001 20104163001384

TECHNICAL DESCRIPTION

timeless design · round design · Precision reflector for accentuation · Microfaceted, aluminum-coated reflector · highly reflective faceted reflector · aluminum coated for best reflection · passive cooling through optimized heat sink · optional optics: optionally LINEAR SPREAD LENS, SPREAD LENS or HONEYCOMB · powder-coated die-cast body · Concrete installation housing available as accessory. · Snap springs for concrete and hollow walls · Installation depth only 55 mm · Ceiling thicknesses from 1-25 mm · "KORONA EFFECT" · RAL colors on request · 28 colors possible · Dimmability depends on the ballast · Direct light colors: optionally 2700K, 3000K, 3500K or 4000K. · CRI > 90 · Efficient through COB (Chip-On-Board) · MacAdam: 3 · 50,000 hours lifespan · optimized glare control through recessed light point plane · Light source can be replaced by professional staff. · Beam widths: "Flood", "Spot/Superspot", "Wide flood" · complies with EN 60598-1 · IP protection type IP44 · Height: 52 mm · Diameter: 75 mm

POLAR CURVE



Measurement based on the color white

MAINTAINANCE FACTOR

Service life	10 000 h	20 000 h	30 000 h	40 000 h	50 000 h
LLMF	0.96	0.92	0.88	0.84	0.80
LSF	1	1	1	1	1

The Maintenance Factor (MF), as defined in EN 12464-1, is calculated as MF = LLMF × LSF × LMF × RMF. LLMF (Lamp Lumen Maintenance Factor) and LSF (Lamp Survival Factor) depend on the luminaire type and quality, while LMF and RMF are influenced by environmental factors like dust, room conditions, and maintenance intervals.

CURRENT LEVELS

Power (W)	Power Supply (mA)	Luminaire Efficacy (lm/W)	Nominal luminaire luminous flux (lm)
2	100	103	185
3	150	101	275
3	175	100	319
4	200	99	363
4	220	98	398
5	250	97	450
6	300	95	536
6	340	93	603
7	350	93	619
8	400	91	701
9	450	89	781
10	500	88	860
11	550	86	937
12	580	85	982
12	600	85	1012

This table provides an overview of the electrical characteristics of the luminaires at different current levels. It includes information on power consumption, power supply, efficacy, and luminous flux for each current level. The values are based on measurements conducted in accordance with the relevant standards and are intended to assist in the selection and planning of lighting systems.

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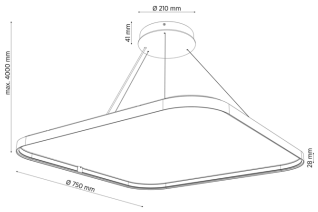
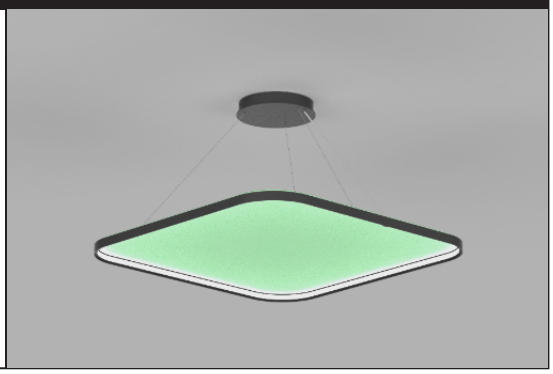
QUANTUM SILHOUETTE ACOUSTIC

02 Black Velvet

02 Black Velvet

ARCHISONIC®
SPEARMINT





411-2220

IP20 · incl. · 4000 · 220-240V · 50/60Hz

MOUNTING

Mounting location:	Ceiling
Type:	Suspended
Suspension cable:	4000mm / black

ELECTRICAL

Voltage:	220-240V
Control gear needed:	Yes
Control gear included:	Yes
Dimming:	Not dimmable
Total power:	36 W
Power loss ballast:	3.2 W

DIMENSION

Length/Width:	750x750 mm
Height:	28 mm
Weight (net):	3.054 kg

LIGHT

Adjustability:	fixed
Light calculation:	Direct
Diffuser:	Opal

LAMP DESCRIPTION

Lamp type:	LED
Service Life:	L80B10 50000h at 25° C
Luminous flux of the light source:	3409 lm
Luminous flux of the luminaire:	1456 lm
Efficacy:	40.9 lm/W
Colour rendering index (CRI):	90
MacAdam:	3
Risk Group:	RG0
LED colour direct:	2700K

ORDER NUMBER

411-2220.02-02.27-01-02-23

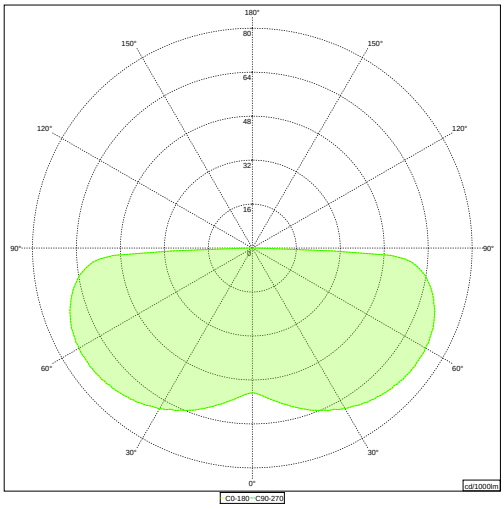
GOLD | Top 5% ecovadis Sustainability Rating MAY 2024

TÜV AUSTRIA ZERTIFIZIERT TÜV AUSTRIA CERT GMBH
EN ISO 9001 20100163001383
EN ISO 14001 20104163001384

TECHNICAL DESCRIPTION

Pendant light · Photometric cover: Opal (PMMA) · 2 powder-coated color options · RAL colors on request · 240 Volt, 50/60 Hz · not dimmable · 3-pole terminal block · Direct light colors: optionally 2700K or 3000K. · CRI > 90 · MacAdam: 3 · IP protection type IP20 · Height: 28 mm · Length: 750 mm · Width: 750 mm

POLAR CURVE



Measurement based on the color white

Date: 09/05/2025
We reserve the right to make technical changes without prior notice.
PROLICHT GmbH | Austria | 6091 Götzens | Gewerbepark 9
T +43 5234 33 499 | F +435234 33 499-22 | info@prolicht.at | www.prolicht.at

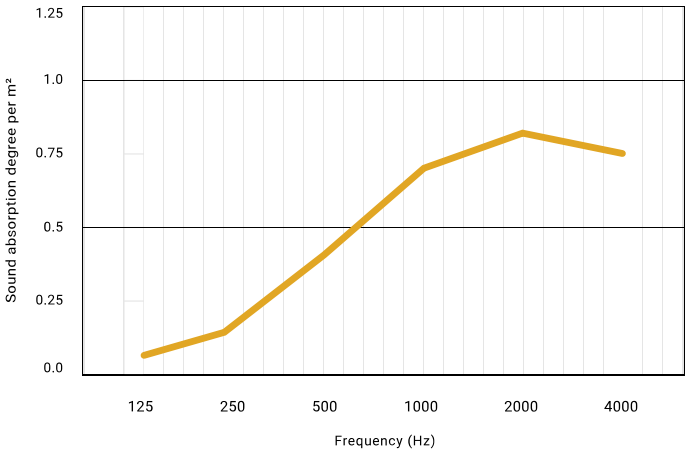
Online Configuration:

MAINTAINANCE FACTOR

Service life	10 000 h	20 000 h	30 000 h	40 000 h	50 000 h
LLMF	0.96	0.92	0.88	0.84	0.80
LSF	1	1	1	1	1

The Maintenance Factor (MF), as defined in EN 12464-1, is calculated as MF = LLMF × LSF × LMF × RMF. LLMF (Lamp Lumen Maintenance Factor) and LSF (Lamp Survival Factor) depend on the luminaire type and quality, while LMF and RMF are influenced by environmental factors like dust, room conditions, and maintenance intervals.

ACOUSTIC PERFORMANCE - ISO $A_{OBJ,}$ M^2



Frequency (Hz)	125	250	500	1000	2000	4000
12 mm Circ (1000 mm)	0.05	0.15	0.40	0.70	0.80	0.75

The graphic shows the equivalent sound absorption per object (Aobj) at the third-octave-band center frequency in accordance with ISO 20189. During the measurement, pink noise was used as the excitation signal in a hard-walled room.

Material Thickness: 12 mm

LUMINAIRES PER CIRCUIT BREAKER

Circuit breaker type	B10	B13	B16	B20	C10	C13	C16
Number of luminaires	9	11	14	17	15	18	9

This table provides an overview of different types of circuit breakers and the maximum number of lamps that can be connected to each breaker type. The permissible number depends on the characteristics of the circuit breaker (e.g., Type B, C, or D) as well as the power consumption and inrush current of the lamps used. These values serve as a reference for planning electrical installations in lighting applications.