



EXTRA-N-LED-G2

Zone 2/22 luminaire

- 2nd generation LED modules
- Efficacy up to 155lm/W
- Up to 16,300lm in a 5ft luminaire
- Ambient temperatures up to 60°C
- Silicone-Free
- Options:
DALI, 1-10V, Auto-Test, Microwave sensor,
Central Battery operation



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our product range





EXTRA-N-LED

IP 66 / zone 2, 22

5 year warranty

SILICONE FREE



FTZÚ 16 ATEX 0102X



Application: Dustproof lighting fixture EXTRA-N-LED with splash water resistance designed for lighting of areas with danger of explosion. The lighting fixture is certified by FTZU Ostrava-Radvanice (certificate type FTZU 16 ATEX 0102X).

Ballast: EP – electronic 220 – 240 V, 50/60 Hz, 220 – 240 V, 0 Hz DC

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: Plastic material PC (polycarbonate), grey colour RAL 7035

Diffuser: PC (polycarbonate) opal

Fastening: Surface ceiling or wall mounting by means of two self-locking fastening brackets (standard equipment) or (optional) set of wall brackets - angle 45°, pole mounting via set of pole brackets, suspension by means of wire or cable suspension.

Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm²

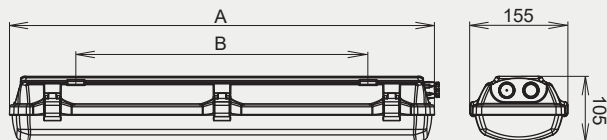
Standard equipment: 1pc EX plastic cable gland M20x1.5 (as a standard for diameter of cable 7-12mm), 1 pc EX plastic plug M20x1.5, 2 pcs stainless steel fastening bracket-AISI 304, stainless clips, double cable clip.

Calculated lifetime – LED modules: L80B10 ta30 – 70 000h, L70B10 ta30 – 100 000h

EXTRA-N-LED, MULTIEXTRA-N-LED, EXTRA-N-LED-Em

Ⓜ II 3G Ex nR IIC T6 Gc

Ⓜ II 3D Ex tc IIIC T80°C Dc

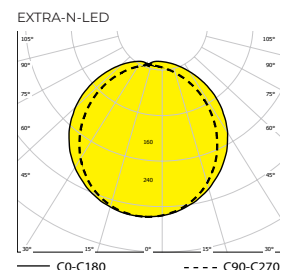


Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A (mm)	Mounting spacing B (mm)	Weight (kg)
4000K								
055660	EXTRA-N-LED-1250-218-G2-4K, IP66	1125	8	150	60	670	460	1,8
055661	EXTRA-N-LED-2500-218-G2-4K, IP66	2251	15	150	60	670	460	1,8
055662	EXTRA-N-LED-5000-218-G2-4K, IP66	4357	29	150	55	670	460	1,7
055663	EXTRA-N-LED-2500-236-G2-4K, IP66	2251	15	155	60	1280	880	3,1
055664	EXTRA-N-LED-5000-236-G2-4K, IP66	4503	29	155	60	1280	880	3,1
055665	EXTRA-N-LED-10000-236-G2-4K, IP66	8715	58	150	40	1280	880	3,2
055666	EXTRA-N-LED-3750-258-G2-4K, IP66	3664	24	154	55	1580	1000	3,6
055667	EXTRA-N-LED-7500-258-G2-4K, IP66	7238	47	154	55	1580	1000	3,6
055668	EXTRA-N-LED-12550-258-G2-4K, IP66	11172	74	151	45	1580	1000	3,8
055669	EXTRA-N-LED-16700-258-G2-4K, IP66	13730	94	146	40	1580	1000	3,8
055670	EXTRA-N-LED-20000-258-G2-4K, IP66	16311	115	142	40	1580	1000	3,8

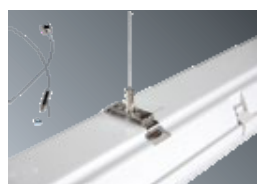
Tolerance of luminous flux and power input of the lighting fixture +/- 10%



SAFE answers to HAZARDOUS questions



Accessories on request



Suspended mounting

051131 Cable suspension-EXTRA-2x (3m)



064643 Set of wall brackets - angle 45° EXTRA (2 pcs)

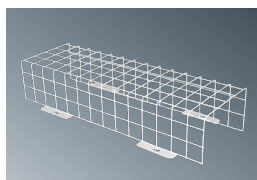


Suspended mounting

001696 Wire suspension EXTRA (Chain not included)



051157 Pole bracket EXTRA (for Ø 50 mm)



001748 LAK Protective cage EXTRA 18W
001749 LAK Protective cage EXTRA 36W
001750 LAK Protective cage EXTRA 58W



Colour coated diffuser

e.g. GREEN = Safety showers

Standard accessories M20		Accessories for armoured cable M20		Nickel-plated accessories M20	
008060	Plastic cable gland Ex M20x1.5	008052	Cable gland BIMED M20x1.5 ORION UNIVERSAL (8+/- 0.5Nm)	008092	Cable gland WISKA EMSKE20 M20x1.5 Ex-nickel-plated brass (8 Nm)
007047N	Flat sealing ring EPDM 27x18.5x1.5 mm	008091	Sealing plug WISKA EMVS20 M20x1.5 Ex-nickel-plated brass	008093	Nut WISKA EMMU20 M20x1.5 - nickel-plated brass
008090	Plastic sealing plug Ex M20x1.5	008093	Nut WISKA EMMU20 M20x1.5 -nickel-plated brass	008091	Sealing plug WISKA EMVS20 M20x1.5 Ex-nickel-plated brass
008097	Plastic nut WISKA EMUG 20 M20x1.5	007047N	Flat sealing ring EPDM 27x18.5x1.5 mm	007047N	Flat sealing ring EPDM 27x18.5x1.5 mm

Lighting fixture detail



On request

DIM – dimmable electronic ballast (DALI,DSI, 1-10V)

GESIS – possibility to equip lighting fixtures with connectors

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

EM-1/3 - non-maintained emergency lighting

MULTI-1/3 - maintained emergency lighting

2.7K-6.5K - colour temperature

1/3 F - single-phase or three phase through wiring connection 2.5 mm²

Standard order number	MULTI-1H	MULTI-3H	DALI	1F	3F
055660	055688	055695	055671	055660 1F	055660 3F
055661	055689	055696	055672	055661 1F	055661 3F
055662			055673	055662 1F	055662 3F
055663	055690	055697	055674	055663 1F	055663 3F
055664	055691	055698	055675	055664 1F	055664 3F
055665		055701LO*	055676	055665 1F	055665 3F
055666	055692	055699	055677	055666 1F	055666 3F
055667	055693	055700	055678	055667 1F	055667 3F
055668	055694	055701	055679	055668 1F	055668 3F
055669			055680	055669 1F	055669 3F
055670			055681	055670 1F	055670 3F

055701LO* - Due to the amount of internal heat generated, the emergency version of 055665 is only available in a 5ft body

EM					
055682	EXTRA-N-LED-Em-500-218-G2-4K, IP66, 1h	055685	EXTRA-N-LED-Em-500-218-G2-4K, IP66, 3h		
055683	EXTRA-N-LED-Em-500-236-G2-4K, IP66, 1h	055686	EXTRA-N-LED-Em-500-236-G2-4K, IP66, 3h		
055684	EXTRA-N-LED-Em-500-258-G2-4K, IP66, 1h	055687	EXTRA-N-LED-Em-500-258-G2-4K, IP66, 3h		

Use of lighting fixtures in areas with danger of explosion	Marking of external influences	Area classification	
		Marking	Directive
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14, ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapours	BE3N2	ZONE 2	ČSN EN 60079-14, ČSN EN 60079-10-1

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Code number	Description	Tc (K)	Luminous flux of the luminaire (lm)	Lm/W	AmbT	A (mm)	B (mm)	C (mm)	Mounting centres (mm)	Power input (W)	Weight (kg)	MCB (Type B10)
Standard luminaires												
55660	EXTRA-N-LED-1250-218-G2-4K, IP66	4000	1,125	141	-20°C to +60°C	670	155	105	460	8	1.8	23
55661	EXTRA-N-LED-2500-218-G2-4K, IP66	4000	2,251	150	-20°C to +60°C	670	155	105	460	15	2.0	23
55662	EXTRA-N-LED-5000-218-G2-4K, IP66	4000	4,357	150	-20°C to +55°C	670	155	105	460	29	2.2	23
55663	EXTRA-N-LED-2500-236-G2-4K, IP66	4000	2,251	150	-20°C to +60°C	1280	155	105	880	15	3.0	23
55664	EXTRA-N-LED-5000-236-G2-4K, IP66	4000	4,503	155	-20°C to +60°C	1280	155	105	880	29	3.4	23
55665	EXTRA-N-LED-10000-236-G2-4K, IP66	4000	8,715	150	-20°C to +40°C	1280	155	105	880	58	3.7	18
55666	EXTRA-N-LED-3750-258-G2-4K, IP66	4000	3,664	153	-20°C to +55°C	1580	155	105	1000	24	3.6	18
55667	EXTRA-N-LED-7500-258-G2-4K, IP66	4000	7,238	154	-20°C to +55°C	1580	155	105	1000	47	3.7	18
55668	EXTRA-N-LED-12550-258-G2-4K, IP66	4000	11,172	151	-20°C to +45°C	1580	155	105	1000	74	4.2	18
55669	EXTRA-N-LED-16700-258-G2-4K, IP66	4000	13,730	146	-20°C to +40°C	1580	155	105	1000	94	4.2	9
55670	EXTRA-N-LED-20000-258-G2-4K, IP66	4000	16,311	142	-20°C to +40°C	1580	155	105	1000	115	4.2	9
Emergency luminaires												
55695	MULTIEXTRA-N-LED-1250-218-G2-4K, IP66, 3h	4000	1,125 /491	141	0°C to +35°C	670	155	105	460	8	2.2	23
55696	MULTIEXTRA-N-LED-2500-218-G2-4K, IP66, 3h	4000	2,251 /491	150	0°C to +35°C	670	155	105	460	15	2.2	23
55697	MULTIEXTRA-N-LED-2500-236-G2-4K, IP66, 3h	4000	2,251 /491	150	0°C to +40°C	1280	155	105	880	15	3.5	23
55698	MULTIEXTRA-N-LED-5000-236-G2-4K, IP66, 3h	4000	4,503 /491	155	0°C to +40°C	1280	155	105	880	29	2.7	23
55701LO	MULTIEXTRA-N-LED-10000-258-G2-4K, IP66, 3h (5ft body)	4000	8,715 /491	150	0°C to +35°C	1580	155	105	1000	58	4.6	18
55699	MULTIEXTRA-N-LED-3750-258-G2-4K, IP66, 3h	4000	3,664 /491	153	0°C to +40°C	1580	155	105	1000	24	4.2	18
55700	MULTIEXTRA-N-LED-7500-258-G2-4K, IP66, 3h	4000	7,238 /491	154	0°C to +40°C	1580	155	105	1000	47	4.4	18
55701	MULTIEXTRA-N-LED-12550-258-G2-4K, IP66, 3h	4000	11,172 /491	151	0°C to +35°C	1580	155	105	1000	74	4.6	18
55685	EXTRA-N-LED-Em-500-218-G2-4K, IP66, 3h	4000	491	-	0°C to +50°C	670	155	105	460	0	2.1	30
55686	EXTRA-N-LED-Em-500-236-G2-4K, IP66, 3h	4000	491	-	0°C to +50°C	1280	155	105	880	0	3.0	30
55687	EXTRA-N-LED-Em-500-258-G2-4K, IP66, 3h	4000	491	-	0°C to +50°C	1580	155	105	1000	0	3.9	30
Standard luminaires with DALI driver												
55671	EXTRA-N-LED-1250-218-G2-4K, IP66, DALI	4000	1,125	141	-20°C to +60°C	670	155	105	460	8	1.8	23
55672	EXTRA-N-LED-2500-218-G2-4K, IP66, DALI	4000	2,251	150	-20°C to +60°C	670	155	105	460	15	2.0	23
55673	EXTRA-N-LED-5000-218-G2-4K, IP66, DALI	4000	4,357	150	-20°C to +55°C	670	155	105	460	29	2.2	23
55674	EXTRA-N-LED-2500-236-G2-4K, IP66, DALI	4000	2,251	150	-20°C to +60°C	1280	155	105	880	15	3.0	23
55675	EXTRA-N-LED-5000-236-G2-4K, IP66, DALI	4000	4,503	155	-20°C to +60°C	1280	155	105	880	29	3.4	23
55676	EXTRA-N-LED-10000-236-G2-4K, IP66, DALI	4000	8,715	150	-20°C to +40°C	1280	155	105	880	58	3.7	18
55677	EXTRA-N-LED-3750-258-G2-4K, IP66, DALI	4000	3,664	153	-20°C to +55°C	1580	155	105	1000	24	3.6	18
55678	EXTRA-N-LED-7500-258-G2-4K, IP66, DALI	4000	7,238	154	-20°C to +55°C	1580	155	105	1000	47	3.7	18
55679	EXTRA-N-LED-12550-258-G2-4K, IP66, DALI	4000	11,172	151	-20°C to +45°C	1580	155	105	1000	74	4.2	18
55680	EXTRA-N-LED-16700-258-G2-4K, IP66, DALI	4000	13,730	146	-20°C to +40°C	1580	155	105	1000	94	4.2	9
55681	EXTRA-N-LED-20000-258-G2-4K, IP66, DALI	4000	16,311	142	-20°C to +40°C	1580	155	105	1000	115	4.2	9
Emergency luminaires with DALI inverter (DALI Auto-Test when not re-programmed)												
55695-EMPRO	MULTIEXTRA-N-LED-1250-218-G2-4K, IP66, 3h, EMPRO	4000	1,125 /491	141	0°C to +35°C	670	155	105	460	8	2.2	23
55696-EMPRO	MULTIEXTRA-N-LED-2500-218-G2-4K, IP66, 3h, EMPRO	4000	2,251 /491	150	0°C to +35°C	670	155	105	460	15	2.2	23
55697-EMPRO	MULTIEXTRA-N-LED-2500-236-G2-4K, IP66, 3h, EMPRO	4000	2,251 /491	150	0°C to +40°C	1280	155	105	880	15	3.5	23
55698-EMPRO	MULTIEXTRA-N-LED-5000-236-G2-4K, IP66, 3h, EMPRO	4000	4,503 /491	155	0°C to +40°C	1280	155	105	880	29	2.7	23
55701LO-EMPRO	MULTIEXTRA-N-LED-10000-258-G2-4K, IP66, 3h, EMPRO (5ft body)	4000	8,715 /491	150	0°C to +35°C	1580	155	105	1000	58	4.6	18
55699-EMPRO	MULTIEXTRA-N-LED-3750-258-G2-4K, IP66, 3h, EMPRO	4000	3,664 /491	153	0°C to +40°C	1580	155	105	1000	24	4.2	18
55700-EMPRO	MULTIEXTRA-N-LED-7500-258-G2-4K, IP66, 3h, EMPRO	4000	7,238 /491	154	0°C to +40°C	1580	155	105	1000	47	4.4	18
55701-EMPRO	MULTIEXTRA-N-LED-12550-258-G2-4K, IP66, 3h, EMPRO	4000	11,172 /491	151	0°C to +35°C	1580	155	105	1000	74	4.6	18
55685-EMPRO	EXTRA-N-LED-Em-500-218-G2-4K, IP66, 3h, EMPRO	4000	491	-	0°C to +50°C	670	155	105	460	0	2.1	30
55686-EMPRO	EXTRA-N-LED-Em-500-236-G2-4K, IP66, 3h, EMPRO	4000	491	-	0°C to +50°C	1280	155	105	880	0	3.0	30
55687-EMPRO	EXTRA-N-LED-Em-500-258-G2-4K, IP66, 3h, EMPRO	4000	491	-	0°C to +50°C	1580	155	105	1000	0	3.9	30

Emergency luminaires with DALI inverter and DALI driver

55695-D_EMPRO	MULTIEXTRA-N-LED-1250-218-G2-4K, IP66, 3h, D_EMPRO	4000	1,125 /491	141	0°C to +35°C	670	155	105	460	8	2.2	23
55696-D_EMPRO	MULTIEXTRA-N-LED-2500-218-G2-4K, IP66, 3h, D_EMPRO	4000	2,251 /491	150	0°C to +35°C	670	155	105	460	15	2.2	23
55697-D_EMPRO	MULTIEXTRA-N-LED-2500-236-G2-4K, IP66, 3h, D_EMPRO	4000	2,251 /491	150	0°C to +40°C	1280	155	105	880	15	3.5	23
55698-D_EMPRO	MULTIEXTRA-N-LED-5000-236-G2-4K, IP66, 3h, D_EMPRO	4000	4,503 /491	155	0°C to +40°C	1280	155	105	880	29	2.7	23
55701LO-D_EMPRO	MULTIEXTRA-N-LED-10000-258-G2-4K, IP66, 3h, D_EMPRO (5ft body)	4000	8,715 /491	150	0°C to +35°C	1580	155	105	1000	58	4.6	18
55699-D_EMPRO	MULTIEXTRA-N-LED-3750-258-G2-4K, IP66, 3h, D_EMPRO	4000	3,664 /491	153	0°C to +40°C	1580	155	105	1000	24	4.2	18
55700-D_EMPRO	MULTIEXTRA-N-LED-7500-258-G2-4K, IP66, 3h, D_EMPRO	4000	7,238 /491	154	0°C to +40°C	1580	155	105	1000	47	4.4	18
55701-D_EMPRO	MULTIEXTRA-N-LED-12550-258-G2-4K, IP66, 3h, D_EMPRO	4000	11,172 /491	151	0°C to +35°C	1580	155	105	1000	74	4.6	18

Emergency luminaires with Auto-Test inverter

55695-AT	MULTIEXTRA-N-LED-1250-218-G2-4K, IP66, 3h, AT	4000	1,125 /491	141	0°C to +35°C	670	155	105	460	8	2.2	23
55696-AT	MULTIEXTRA-N-LED-2500-218-G2-4K, IP66, 3h, AT	4000	2,251 /491	150	0°C to +35°C	670	155	105	460	15	2.2	23
55697-AT	MULTIEXTRA-N-LED-2500-236-G2-4K, IP66, 3h, AT	4000	2,251 /491	150	0°C to +40°C	1280	155	105	880	15	3.5	23
55698-AT	MULTIEXTRA-N-LED-5000-236-G2-4K, IP66, 3h, AT	4000	4,503 /491	155	0°C to +40°C	1280	155	105	880	29	2.7	23
55701LO-AT	MULTIEXTRA-N-LED-10000-258-G2-4K, IP66, 3h, AT (5ft body)	4000	8,715 /491	150	0°C to +35°C	1580	155	105	1000	58	4.6	18
55699-AT	MULTIEXTRA-N-LED-3750-258-G2-4K, IP66, 3h, AT	4000	3,664 /491	153	0°C to +40°C	1580	155	105	1000	24	4.2	18
55700-AT	MULTIEXTRA-N-LED-7500-258-G2-4K, IP66, 3h, AT	4000	7,238 /491	154	0°C to +40°C	1580	155	105	1000	47	4.4	18
55701-AT	MULTIEXTRA-N-LED-12550-258-G2-4K, IP66, 3h, AT	4000	11,172 /491	151	0°C to +35°C	1580	155	105	1000	74	4.6	18
55685-AT	EXTRA-N-LED-Em-500-218-G2-4K, IP66, 3h, AT	4000	491	-	0°C to +50°C	670	155	105	460	0	2.1	30
55686-AT	EXTRA-N-LED-Em-500-236-G2-4K, IP66, 3h, AT	4000	491	-	0°C to +50°C	1280	155	105	880	0	3.0	30
55687-AT	EXTRA-N-LED-Em-500-258-G2-4K, IP66, 3h, AT	4000	491	-	0°C to +50°C	1580	155	105	1000	0	3.9	30

Accessories

Code number	Description
8060	Plastic Ex cable gland M20 x 1.5
8090	Plastic Ex sealing plug M20 x 1.5
8097	Plastic locknut M20 x 1.5
7047N	Flat sealing washer EPDM 27x18.5x1.5
51157	Pole bracket EXTRA (dia. 50mm)
64643	Set of wall mounting brackets - 45° EXTRA (2pcs)
1696	Wire suspender EXTRA (Chain not included)
51131	Cable suspension EXTRA-2x (3m)
TORX-EXTRA	Torx safety locking screws (bag of 10)
ECP-EXTRA	Earth continuity plate with 4mm ² earth wire (2 x M20 clearance)
1748 LAK	Protection guard EXTRA (2ft) - mild steel painted
1749 LAK	Protection guard EXTRA (4ft) - mild steel painted
1750 LAK	Protection guard EXTRA (5ft) - mild steel painted

(MULTI)EXTRA-N-LED-G2 - 5 YEAR WARRANTY*

Application:

LED luminaire EXTRA-N-LED, with IP66 ingress protection, is designed for lighting of areas with danger of explosion.

Driver supply voltage:

Standard: 220-240V 0/50/60Hz

Non-standard: 24-48Vdc, 110-240Vac, 176-280Vdc

Emergency: 220-240V 0/50/60Hz

Light source:

LED modules, 4000K, CRI +80, MacAdam3

Housing:

PC (polycarbonate), grey colour RAL 7035

Diffuser:

PC (polycarbonate) opal

Impact resistance:

IK10 = 5kg@40cm (20J)

Ingress protection:

IP66

Fastening:

Ceiling / Wall mounting by means of two self-locking fixing mounting brackets (supplied)

Connection:

Screwless terminal block, maximum diameter of wires 2.5 mm². Loop-in / Loop-out

Standard equipment:

1pc EX plastic cable gland M20x1.5 (as a standard for diameter of cable 7-12mm), 1 pc EX plastic plug M20x1.5,

2 pcs stainless steel fastening bracket-AISI 304, stainless clips, double cable clip.

Calculated lifetime – LED modules:

L80B10 ta30 – 70 000h

L70B10 ta30 – 100 000h

Options:

DIM – dimmable electronic ballast (DALI, DSI, 1-10V)

AT – Self-testing emergency function (ST inverter or DALI self-Test)

GESIS – possibility to equip lighting fixtures with connectors

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

2.7K-6.5K - colour temperature

1/3 F - single-phase or three phase through wiring connection, maximum diameter of wires 2.5mm²

MWS – Microwave presence sensor (ON/OFF, DALI, 1-10V)

CBS – Central Battery Change-over switch

GREEN – Green coated diffuser for safety showers

EXTRA-N-LED, MULTIEXTRA-N-LED, EXTRA-N-LED-Em

EX II 3G Ex nR IIC T6 Gc

EX II 3D Ex tc IIIC T80°C Dc, IP66

* Battery warranty - 1 year only



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IK RATING according to EN 62262

IK ratings help to classify products by its resistance to impacts by Kinetic energy, while EN 62262 specifies the way enclosures should be mounted when tests are carried out, the atmospheric conditions that should prevail, the number of impacts (5) and their (even) distribution, and the size, style, material, dimensions etc. of the various types of hammer designed to produce the energy levels required.



IK code and impact energy (values changed in Amd 1:1998)

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact energy (joule)	*	0.14	0.2	0.35	0.5	0.7	1	2	5	10	20

Impact test characteristics

IK code	IK00	IK01 to IK05	IK06	IK07	IK08	IK09	IK10
Impact energy (joules)	*	<1	1	2	5	10	20
R mm (radius of striking element)	*	10	10	25	25	50	50
Material	*	polyamide ¹	polyamide ¹	steel ²	steel ²	steel ²	steel ²
Mass kg	*	0.2	0.5	0.5	1.7	5	5
Free fall height m	*	*	*	0.40	0.30	0.20	0.40
Pendulum hammer	*	Yes	Yes	Yes	Yes	Yes	Yes
Spring hammer	*	Yes	Yes	Yes	No	No	No
Free fall hammer	*	No	No	Yes	Yes	Yes	Yes

* not protected according to the standard

1. HR 100 Rockwell hardness according to ISO 2039/2
2. Fe 490-2 according to ISO 1052, Rockwell hardness HR 50 to HR 58 according to ISO 6508

EXTRA-N-LED luminaires – NEW HIGH PERFORMANCE



To showcase capability of the EXTRA range, we have chosen a warehouse application and calculated the number of fittings required to achieve an average of 200lux at floor level.

Example 1: 5ft **EXTRA-N-LED** luminaire with the highest output of 16,311 lm

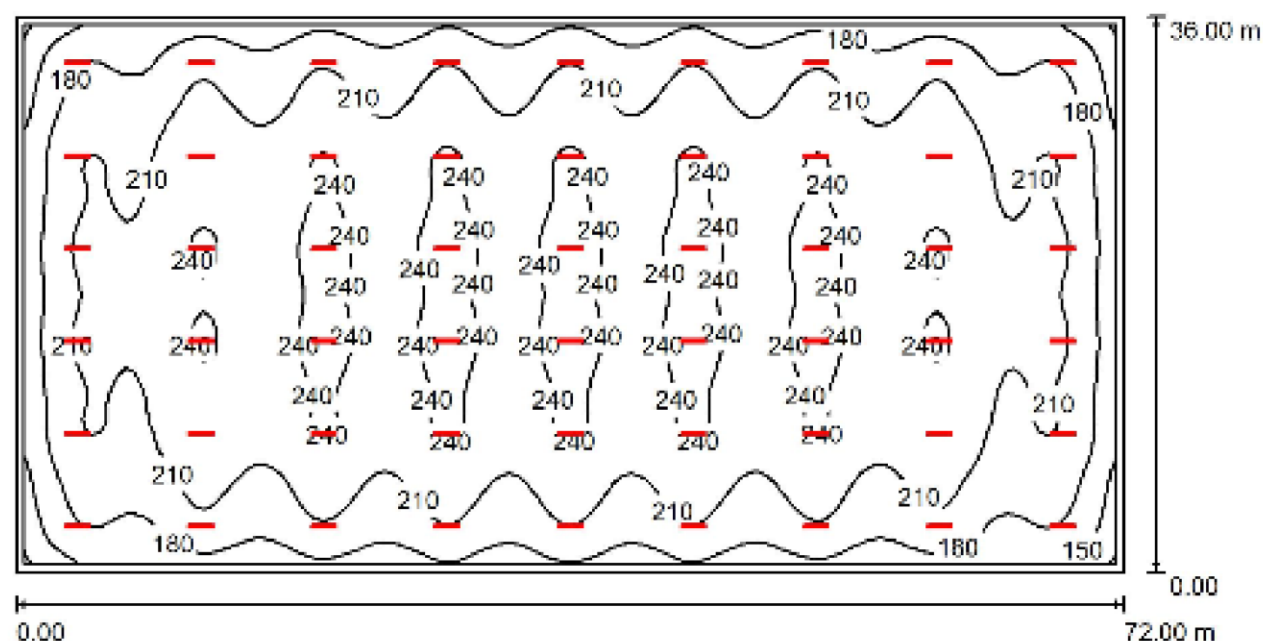
Example 2: 5ft **EXTRA-N-LED** luminaire with a standard lumen output of 7,239 lm

Example 3: High bay **PITBUL-N-LED** luminaire with a lumen output of 24,765 lm

Reference building: Manned warehouse (Target illumination: 200lux)

- Size (m): 72 x 36 x 8
- Luminaire installation height: 6.5 m
- Working plane 0.1 m; Boundary Zone: 0.5m
- Maintenance factor: 0.72
- Reflectivity: Ceiling 60, Walls 40, Floor 20

EXTRA-N-LED-20000-258-G2-4K



Height of Room: 8.000 m, Mounting Height: 6.500 m, Maintenance factor: 0.72

Values in Lux, Scale 1:515

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$
Workplane	/	213	118	252	0.552
Floor	20	210	105	252	0.502
Ceiling	80	58	39	78	0.670
Walls (4)	40	130	54	227	/

Workplane:

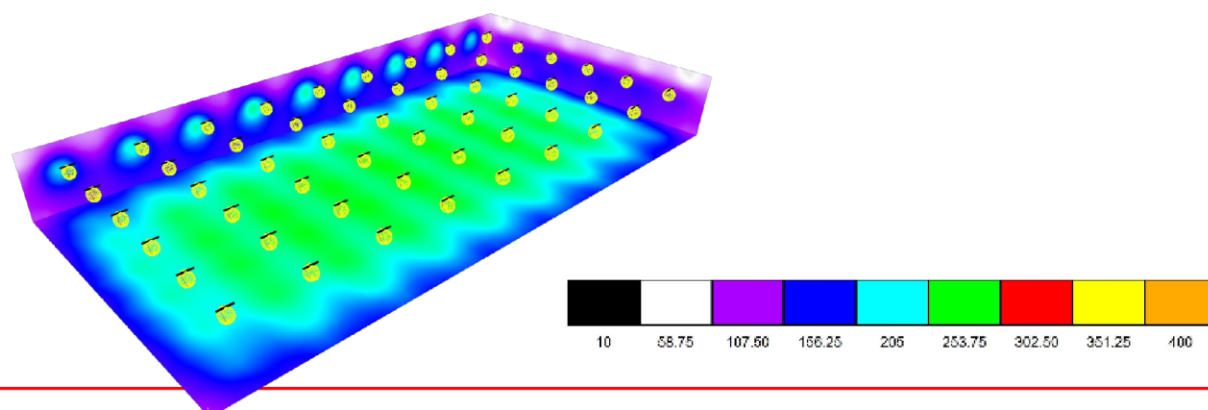
Height: 0.100 m
Grid: 128 x 64 Points
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.613, Ceiling / Working Plane: 0.273.

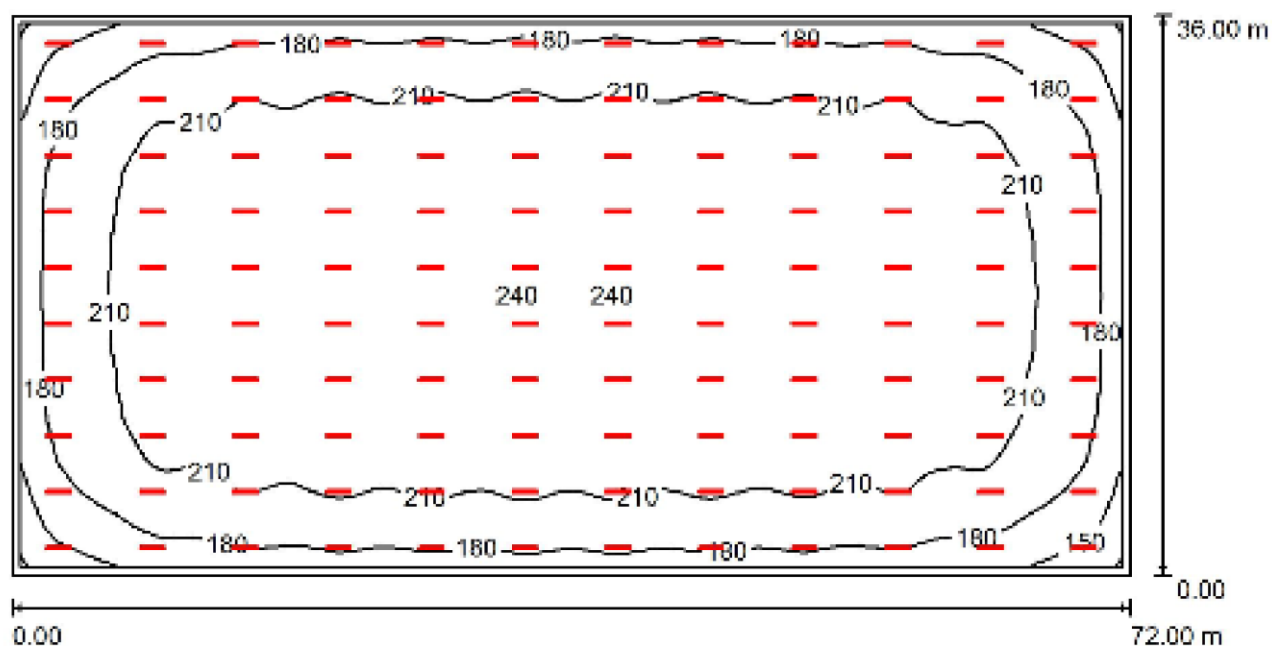
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	54	VYRTYCH a.s. EXTRA-N-LED-20000-258-G2-4K LED Lighting fixtures for potentially explosive atmospheres - Zone 2, 22 (1.000)	16311	16311	115.0
Total:			880818	880794	6210.0

Specific connected load: $2.40 \text{ W/m}^2 = 1.12 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 2592.00 m^2)



EXTRA-N-LED-7500-258-G2-4K



Height of Room: 8.000 m, Mounting Height: 6.500 m, Maintenance factor: 0.72

Values in Lux, Scale 1:515

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0
Workplane	/	210	118	242	0.564
Floor	20	206	106	240	0.516
Ceiling	60	54	41	66	0.764
Walls (4)	40	127	55	249	/

Workplane:

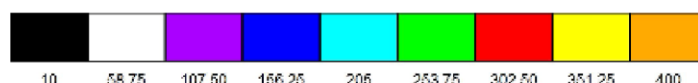
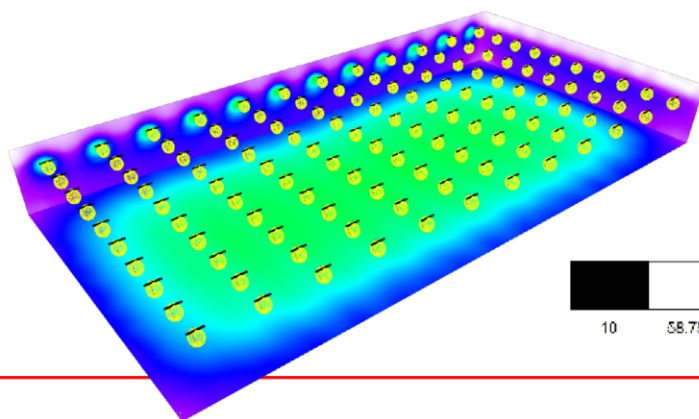
Height: 0.100 m
Grid: 128 x 64 Points
Boundary Zone: 0.500 m

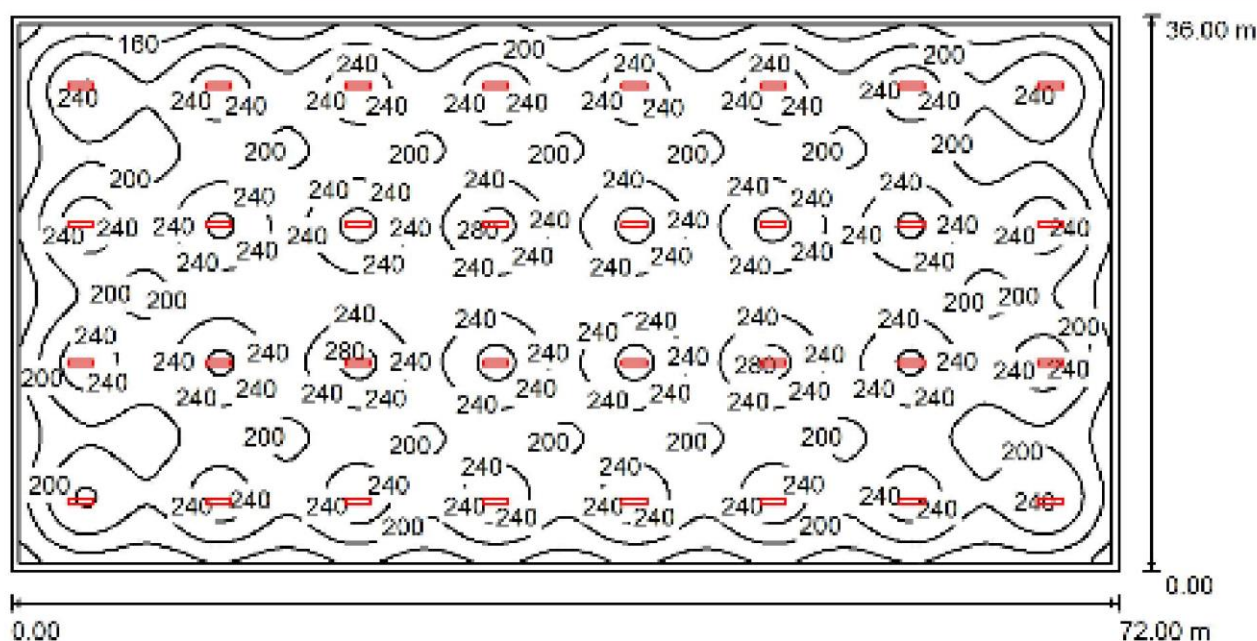
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.608, Ceiling / Working Plane: 0.259.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	120	VYRTYCH a.s. EXTRA-N-LED-7500-258-G2-4K LED Lighting fixtures for potentially explosive atmospheres - Zone 2, 22 (1.000)	7239	7238	47.0
Total:			868653	868560	5640.0

Specific connected load: $2.18 \text{ W/m}^2 = 1.04 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 2592.00 m^2)





Height of Room: 8.000 m, Mounting Height: 6.500 m, Maintenance factor: 0.72

Values in Lux, Scale 1:515

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	217	102	293	0.467
Floor	20	213	91	289	0.427
Ceiling	60	39	25	44	0.638
Walls (4)	40	81	27	140	/

Workplane:

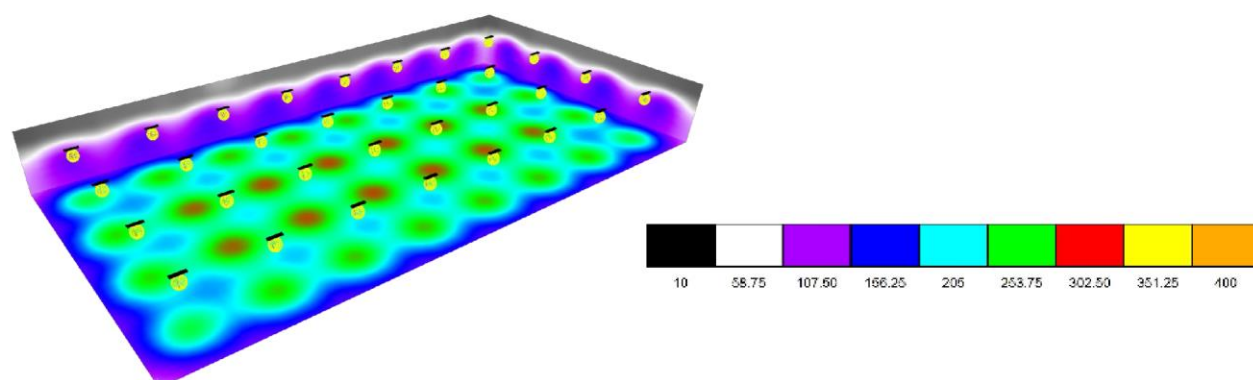
Height: 0.100 m
Grid: 128 x 128 Points
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.376, Ceiling / Working Plane: 0.179.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	32	VYRTYCH a.s. PITBUL-N-LED-29000-458-4K, IP65 Industrial LED luminaire (1.000)	24765	24750	199.0
Total:			792468	792000	6368.0

Specific connected load: $2.46 \text{ W/m}^2 = 1.13 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 2592.00 m²)





EXTRA-N-LED

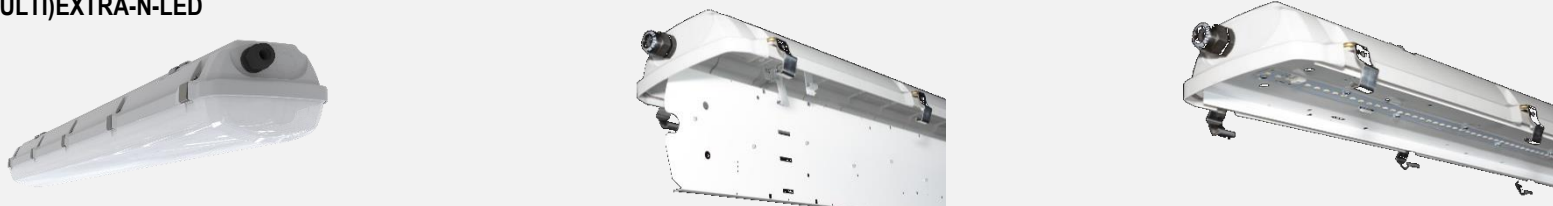


SPECIFICATION GUIDE

Use our Specification Guide to help you choose the perfect fitting for your new or existing project.



GEN²

Certification	Ex Zone 2/22																		
Range Body: Polycarbonate Diffuser: Polycarbonate  IK10 (5kg@40cm)	(MULTI)EXTRA-N-LED 																		
Power Luminaire Lumen Size	8W 1,125lm 2ft	15W 2,251lm 2ft	29W 4,357lm 2ft	15W 2,251lm 4ft	29W 4,503lm 4ft	58W 8,715lm 4ft Emergency=5ft	24W 3,664lm 5ft	47W 7,238lm 5ft	74W 11,172lm 5ft	94W 13,730lm 5ft	115W 16,311lm 5ft								
Fluorescent equivalent	1x18W	2x18W	4x18W	1x36W	2x36W	4x36W	1x58W	2x58W	>3x58W	4x58W	>4x58W								
Type (S = Standard, E = Emergency, 3hr)	S	E	S	E	S	E	S	E	S	E	S	E	S	E	S	E	S	E	S
Wiring	Loop in/out as standard Optional: Through wiring 1-phase or 3-phase (1.5mm ² or 2.5mm ²)																		
Controls	DALI, SwitchDIM, CorridorFUNCTION, Auto-Test, 1-10V, Microwave sensor																		
Entries	2 x M20 clearance (1 on each side as standard). Up to 2 entries on each side (4 in total) Optional: M25																		
LED Colour	4000K as standard Optional: 2700K to 6500K																		
Power supply	220-240Vac/dc Optional: 24-48Vdc*, 100-305Vac*, 176-280Vdc*																		
Temperature Class Rating	T6/T80°C IP66																		
AmbT. (°C)	S: -20<ta<+60 E: 0<ta<+35	S: -20<ta<+60 E: 0<ta<+35	S: -20<ta<+55	S: -20<ta<+60 E: 0<ta<+40	S: -20<ta<+60 E: 0<ta<+40	S: -20<ta<+40 E: 0<ta<+35	S: -20<ta<+55 E: 0<ta<+40	S: -20<ta<+55 E: 0<ta<+40	S: -20<ta<+45 E: 0<ta<+35	S: -20<ta<+40	S: -20<ta<+40								
Warranty	5 Years (Battery: 1 year only)																		

* Not in emergency

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