



Professional streetlight luminaire for LED light sources.

#### TECHNICAL DATA

**Mounting:** on pillar  $\varnothing 60/76$ mm, on pillar  $\varnothing 60/48$ mm (only for luminaires with a degree of regulation  $0^\circ \dots +15^\circ$ ) - modification .834, on outriggers  $\varnothing 60/76$ mm, on outriggers  $\varnothing 60/48$ mm (only for luminaires with a degree of regulation  $0^\circ \dots +15^\circ$ ) - modification .834

**Body:** high pressure die-cast aluminum

**Lateral Surface Wind Exposed:** 0.049 m<sup>2</sup>, 0.050 m<sup>2</sup>

**Colour:** gray, graphite

**Diffuser:** tempered glass

#### ELECTRICAL DATA

**Power supply efficiency:** >93%

**Power:** 220-240V 50/60Hz

**Includes light source:** yes

**Type of equipment:** DALI, ED

**Electrical connection:** max 5x2,5 mm<sup>2</sup> wire, max 4x2,5 mm<sup>2</sup> wire, max 3x2,5 mm<sup>2</sup> wire, max 2x2,5 mm<sup>2</sup> wire

#### OPTICAL DATA

**Light distribution:** asymmetric

**Way of lighting:** direct

**Type of optic:** O65 - for express roads, O66 - for local roads, O67 - for town roads, O68 - for residential area roads, O69 - for area lighting, O70 - for town and local roads, O71 - for municipal and residential area roads, O58 - for express roads, O59 - for local roads, O60 - for town roads, O61 - for residential area roads, O62 - for area lighting, O63 - for town and local roads, O64 - for municipal and residential area roads, O50 - for express roads, O51 - for local roads, O52 - for town roads, O53 - for residential area roads, O54 - for area lighting, O55 - for town and local roads, O1 - for freeways, O2 - for express roads, O3 - for local roads, O4 - for town roads, O5 - for residential area roads, O7 - for area lighting, O8 - for town and local roads

**ULOR / DLOR:** 0% / 100%

#### GENERAL DATA

**Lifetime LED (L90):** 100 000 h

**Available on request:** DALI, DIM 1..10V, LLOC, twilight sensor, 10kV surge protection, NTC, NEMA connector, ZHAGA connector

**Warranty:** 5 years

**Application:** freeways, express roads, local roads, town roads, residential area roads, area lighting, airports, parking areas

**Additional information:** Tilt adjustment:  $5^\circ$ , knife switch (for protection class I), access to the driver chamber without the use of tools (does not apply to PLUS version). The possibility of using one or more power supplies in the luminaire. CRI/Ra >70

**Other remarks:** the pole and boom are not part of the luminaire; DALI and NTC as standard in PLUS version

**Additional equipment:** tool-free access to the power supply compartment by means of clips (PLUS version only - index extension: .865), additional anti-corrosive protection (index extension: .985), luminaire with holder for mounting on a  $\varnothing 60/48$ mm pillar (only for luminaires with a degree of regulation  $0^\circ \dots +15^\circ$ ) - index extension: .834



Code	Protection Class	Type of equipment	IK	Luminaire power [W]	Lumen luminaire [lm]	Efficacy [lm/W]	Colour temperature [K]	CRI/Ra	Operating temperature range [°C]
<b>Type: Tilt adjustment (PLUS version): -90° to +15° (O65, O66, O67, O68, O69, O70, O71 optics)</b>									
13019X.3L52.1X.X	I	DALI	IK08	198	30800	156	4000	>70	* max +50
13019X.3L52.2X.X	II	DALI	IK08	198	30800	156	4000	>70	* max +50
13019X.3L56.1X.X	I	DALI	IK08	253	38800	153	4000	>70	* max +50
13019X.3L56.2X.X	II	DALI	IK08	253	38800	153	4000	>70	* max +50
13019X.3L60.1X.X	I	DALI	IK08	302	44950	149	4000	>70	* max +50
13019X.3L60.2X.X	II	DALI	IK08	302	44950	149	4000	>70	* max +50
13019X.3L51.1X.X	I	DALI	IK08	198	30400	154	3000	>70	* max +50

\* Lower temperature range: -40°C to -20°C, depending on the type of power supply used (consultation with the LUG Technical Preparation of Production Branch is required).

Please note that the standard luminaire is not intended for use in an environment with an increased corrosivity category. The use of the luminaire for work in an environment for which additional corrosion protection is necessary requires the use of an index with the extension .985 (on request).

In order to apply the luminaire in an aggressive environment, for example with an increased concentration of sulfur, salt or other aggressive substances, a consultation with the LUG Technical Preparation of Production Branch is required.

Luminous flux tolerance +/- 10%.

Power tolerance +/- 5%.

Lighting beam, light intensity distribution and light efficiency were examined in accordance with the EN ISO 17025:2005 norm for EN13032 norm series and the LM-79 norm.

Up-to-date product info and General Warranty Terms available on our website [www.luglightfactory.com](http://www.luglightfactory.com)

Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The parameters in the data sheet are given for Ta=25°C.

The operating temperature ranges apply only to luminaires used in the outdoor environment.

Date of issue:

27-8-2021

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Code	Protection Class	Type of equipment	IK	Luminaire power [W]	Lumen luminaire [lm]	Efficacy [lm/W]	Colour temperature [K]	CRI/Ra	Operating temperature range [°C]
<b>Type: Tilt adjustment (PLUS version): -90° to +15° (O65, O66, O67, O68, O69, O70, O71 optics)</b>									
13019X.3L51.2X.X	II	DALI	IK08	198	30400	154	3000	>70	* max +50
13019X.3L55.1X.X	I	DALI	IK08	253	38300	151	3000	>70	* max +50
13019X.3L55.2X.X	II	DALI	IK08	253	38300	151	3000	>70	* max +50
13019X.3L59.1X.X	I	DALI	IK08	302	44400	147	3000	>70	* max +50
13019X.3L59.2X.X	II	DALI	IK08	302	44400	147	3000	>70	* max +50
13019X.3L50.1X.X	I	DALI	IK08	198	27650	140	2700	>70	* max +50
13019X.3L50.2X.X	II	DALI	IK08	198	27650	140	2700	>70	* max +50
13019X.3L54.1X.X	I	DALI	IK08	253	34850	138	2700	>70	* max +50
13019X.3L54.2X.X	II	DALI	IK08	253	34850	138	2700	>70	* max +50
13019X.3L58.1X.X	I	DALI	IK08	302	40350	134	2700	>70	* max +50
13019X.3L58.2X.X	II	DALI	IK08	302	40350	134	2700	>70	* max +50
13019X.3L49.1X.X	I	DALI	IK08	198	25350	128	2200	>70	* max +50
13019X.3L49.2X.X	II	DALI	IK08	198	25350	128	2200	>70	* max +50
13019X.3L53.1X.X	I	DALI	IK08	253	31900	126	2200	>70	* max +50
13019X.3L53.2X.X	II	DALI	IK08	253	31900	126	2200	>70	* max +50
13019X.3L57.1X.X	I	DALI	IK08	302	36950	122	2200	>70	* max +50
13019X.3L57.2X.X	II	DALI	IK08	302	36950	122	2200	>70	* max +50
<b>Type: Tilt adjustment (PLUS version): -90° to +15° (O58, O59, O60, O61, O62, O63, O64 optics)</b>									
13019X.3L40.1X.X	I	DALI	IK08	200	28800	144	4000	>70	* max +50
13019X.3L40.2X.X	II	DALI	IK08	200	28800	144	4000	>70	* max +50
13019X.3L44.1X.X	I	DALI	IK08	253	36400	144	4000	>70	* max +50
13019X.3L44.2X.X	II	DALI	IK08	253	36400	144	4000	>70	* max +50
13019X.3L48.1X.X	I	DALI	IK08	302	41850	139	4000	>70	* max +50
13019X.3L48.2X.X	II	DALI	IK08	302	41850	139	4000	>70	* max +50
13019X.3L39.1X.X	I	DALI	IK08	200	26600	133	3000	>70	* max +50
13019X.3L39.2X.X	II	DALI	IK08	200	26600	133	3000	>70	* max +50
13019X.3L43.1X.X	I	DALI	IK08	253	33650	133	3000	>70	* max +50
13019X.3L43.2X.X	II	DALI	IK08	253	33650	133	3000	>70	* max +50
13019X.3L47.1X.X	I	DALI	IK08	302	38650	128	3000	>70	* max +50
13019X.3L47.2X.X	II	DALI	IK08	302	38650	128	3000	>70	* max +50
13019X.3L38.1X.X	I	DALI	IK08	200	24100	120	2700	>70	* max +50
13019X.3L38.2X.X	II	DALI	IK08	200	24100	120	2700	>70	* max +50
13019X.3L42.1X.X	I	DALI	IK08	253	30450	120	2700	>70	* max +50
13019X.3L42.2X.X	II	DALI	IK08	253	30450	120	2700	>70	* max +50
13019X.3L46.1X.X	I	DALI	IK08	302	35000	116	2700	>70	* max +50
13019X.3L46.2X.X	II	DALI	IK08	302	35000	116	2700	>70	* max +50
13019X.3L37.1X.X	I	DALI	IK08	200	21650	108	2200	>70	* max +50
13019X.3L37.2X.X	II	DALI	IK08	200	21650	108	2200	>70	* max +50
13019X.3L41.1X.X	I	DALI	IK08	253	27350	108	2200	>70	* max +50
13019X.3L41.2X.X	II	DALI	IK08	253	27350	108	2200	>70	* max +50
13019X.3L45.1X.X	I	DALI	IK08	302	31450	104	2200	>70	* max +50
13019X.3L45.2X.X	II	DALI	IK08	302	31450	104	2200	>70	* max +50
<b>Type: Regulation 0° ... +15° (O50, O51, O52, O53, O54, O55 optics)</b>									
13019X.5L31.1X.X	I	ED	IK09	102	14100	138	3000	>70	* max +50
13019X.5L31.2X.X	II	ED	IK09	102	14100	138	3000	>70	* max +50
13019X.5L32.1X.X	I	ED	IK09	102	15450	151	4000	>70	* max +50
13019X.5L32.2X.X	II	ED	IK09	102	15450	151	4000	>70	* max +50
13019X.5L33.1X.X	I	ED	IK09	155	20750	134	3000	>70	* max +50

\* Lower temperature range: -40°C to -20°C, depending on the type of power supply used (consultation with the LUG Technical Preparation of Production Branch is required).

Please note that the standard luminaire is not intended for use in an environment with an increased corrosivity category. The use of the luminaire for work in an environment for which additional corrosion protection is necessary requires the use of an index with the extension .985 (on request).

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Luminous flux tolerance +/- 10%.

Power tolerance +/- 5%.

Lighting beam, light intensity distribution and light efficiency were examined in accordance with the EN ISO 17025:2005 norm for EN13032 norm series and the LM-79 norm.

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Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The parameters in the data sheet are given for Ta=25°C.

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Date of issue: 27-8-2021

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Code	Protection Class	Type of equipment	IK	Luminaire power [W]	Lumen luminaire [lm]	Efficacy [lm/W]	Colour temperature [K]	CRI/Ra	Operating temperature range [°C]
<b>Type: Regulation 0° ... +15° (O50, O51, O52, O53, O54, O55 optics)</b>									
13019X.5L33.2X.X	II	ED	IK09	155	20750	134	3000	>70	* max +50
13019X.5L34.1X.X	I	ED	IK09	155	22750	147	4000	>70	* max +50
13019X.5L34.2X.X	II	ED	IK09	155	22750	147	4000	>70	* max +50
13019X.5L35.1X.X	I	ED	IK09	199	25550	128	3000	>70	* max +40
13019X.5L35.2X.X	II	ED	IK09	199	25550	128	3000	>70	* max +40
13019X.5L36.1X.X	I	ED	IK09	199	28000	141	4000	>70	* max +40
13019X.5L36.2X.X	II	ED	IK09	199	28000	141	4000	>70	* max +40
<b>Type: Regulation -15° ... 0° (O50, O51, O52, O53, O54, O55 optics)</b>									
13019X.5L31.1X1.X	I	ED	IK09	102	14100	138	3000	>70	* max +50
13019X.5L31.2X1.X	II	ED	IK09	102	14100	138	3000	>70	* max +50
13019X.5L32.1X1.X	I	ED	IK09	102	15450	151	4000	>70	* max +50
13019X.5L32.2X1.X	II	ED	IK09	102	15450	151	4000	>70	* max +50
13019X.5L33.1X1.X	I	ED	IK09	155	20750	134	3000	>70	* max +50
13019X.5L33.2X1.X	II	ED	IK09	155	20750	134	3000	>70	* max +50
13019X.5L34.1X1.X	I	ED	IK09	155	22750	147	4000	>70	* max +50
13019X.5L34.2X1.X	II	ED	IK09	155	22750	147	4000	>70	* max +50
13019X.5L35.1X1.X	I	ED	IK09	199	25550	128	3000	>70	* max +40
13019X.5L35.2X1.X	II	ED	IK09	199	25550	128	3000	>70	* max +40
13019X.5L36.1X1.X	I	ED	IK09	199	28000	141	4000	>70	* max +40
13019X.5L36.2X1.X	II	ED	IK09	199	28000	141	4000	>70	* max +40
<b>Type: Regulation 0° ... +15° (O1, O2, O3, O4, O5, O7, O8 optics)</b>									
13019X.5L05.1X.X	I	ED	IK09	103	12400	120	4000	>70	* max +50
13019X.5L05.2X.X	II	ED	IK09	103	12400	120	4000	>70	* max +50
13019X.5L06.1X.X	I	ED	IK09	103	12400	120	5700	>70	* max +50
13019X.5L06.2X.X	II	ED	IK09	103	12400	120	5700	>70	* max +50
13019X.5L08.1X.X	I	ED	IK09	153	18750	123	4000	>70	* max +50
13019X.5L08.2X.X	II	ED	IK09	153	18750	123	4000	>70	* max +50
13019X.5L09.1X.X	I	ED	IK09	153	18750	123	5700	>70	* max +50
13019X.5L09.2X.X	II	ED	IK09	153	18750	123	5700	>70	* max +50
13019X.5L11.1X.X	I	ED	IK09	200	22900	114	4000	>70	* max +35
13019X.5L12.1X.X	I	ED	IK09	200	22900	114	5700	>70	* max +35
<b>Type: Regulation -15° ... 0° (O1, O2, O3, O4, O5, O7, O8 optics)</b>									
13019X.5L05.1X1.X	I	ED	IK09	103	12400	120	4000	>70	* max +50
13019X.5L05.2X1.X	II	ED	IK09	103	12400	120	4000	>70	* max +50
13019X.5L06.1X1.X	I	ED	IK09	103	12400	120	5700	>70	* max +50
13019X.5L06.2X1.X	II	ED	IK09	103	12400	120	5700	>70	* max +50
13019X.5L08.1X1.X	I	ED	IK09	153	18750	123	4000	>70	* max +50
13019X.5L08.2X1.X	II	ED	IK09	153	18750	123	4000	>70	* max +50
13019X.5L09.1X1.X	I	ED	IK09	153	18750	123	5700	>70	* max +50
13019X.5L09.2X1.X	II	ED	IK09	153	18750	123	5700	>70	* max +50
13019X.5L11.1X1.X	I	ED	IK09	200	22900	114	4000	>70	* max +35
13019X.5L12.1X1.X	I	ED	IK09	200	22900	114	5700	>70	* max +35

\* Lower temperature range: -40°C to -20°C, depending on the type of power supply used (consultation with the LUG Technical Preparation of Production Branch is required).

Please note that the standard luminaire is not intended for use in an environment with an increased corrosivity category. The use of the luminaire for work in an environment for which additional corrosion protection is necessary requires the use of an index with the extension .985 (on request).

In order to apply the luminaire in an aggressive environment, for example with an increased concentration of sulfur, salt or other aggressive substances, a consultation with the LUG Technical Preparation of Production Branch is required.

Luminous flux tolerance +/- 10%.

Power tolerance +/- 5%.

Lighting beam, light intensity distribution and light efficiency were examined in accordance with the EN ISO 17025:2005 norm for EN13032 norm series and the LM-79 norm.

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13019 .5L05.1 .

Type of luminaires

865 Tool-free access to power supply compartment by means of clips - available on request (PLUS version only)

985 Luminaire with an additional anti-corrosion protection - on request

834 Luminaire with holder for mounting on a  $\varnothing 60/48\text{mm}$  pillar - on request (only for luminaires with a degree of regulation  $0^\circ \dots +15^\circ$ )

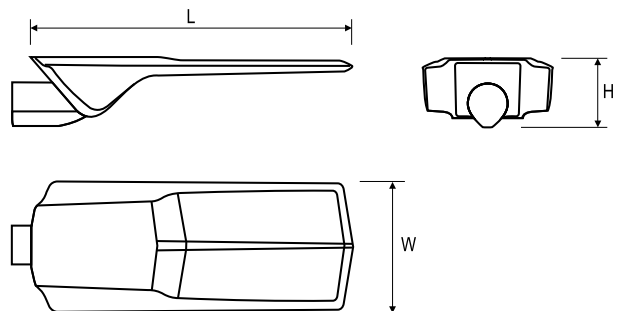
Type of optic

- 1 O1 - for freeways
- 2 O2 - for express roads
- 3 O3 - for local roads
- 4 O4 - for town roads
- 5 O5 - for residential area roads
- 7 O7 - for area lighting
- 8 O8 - for town and local roads
- 10 O50 - for express roads
- 11 O51 - for local roads
- 12 O52 - for town roads
- 13 O53 - for residential area roads
- 14 O54 - for area lighting
- 15 O55 - for town and local roads
- 18 O58 - for express roads
- 19 O59 - for local roads
- 20 O60 - for town roads
- 21 O61 - for residential area roads
- 22 O62 - for area lighting
- 23 O63 - for town and local roads
- 24 O64 - for municipal and residential area roads
- 25 O65 - for express roads
- 26 O66 - for local roads
- 27 O67 - for town roads
- 28 O68 - for residential area roads
- 29 O69 - for area lighting
- 30 O70 - for town and local roads
- 31 O71 - for municipal and residential area roads

Colour

- 2  gray
- 5  graphite

Code	Dimensions [mm] L W H	Mounting dimensions [mm] $\varnothing S$	Pallet quantity	Quantity in package	Net weight [kg]
<b>Type: Tilt adjustment (PLUS version): <math>-90^\circ</math> to <math>+15^\circ</math> (O65, O66, O67, O68, O69, O70, O71 optics)</b>					
13019X.3L52.1X.X	890 390 111	76	20	1	15.3
13019X.3L52.2X.X	890 390 111	76	20	1	15.3
13019X.3L56.1X.X	890 390 111	76	20	1	17.2
13019X.3L56.2X.X	890 390 111	76	20	1	17.2
13019X.3L60.1X.X	890 390 111	76	20	1	17.2
13019X.3L60.2X.X	890 390 111	76	20	1	17.2
13019X.3L51.1X.X	890 390 111	76	20	1	15.3
13019X.3L51.2X.X	890 390 111	76	20	1	15.3
13019X.3L55.1X.X	890 390 111	76	20	1	17.2
13019X.3L55.2X.X	890 390 111	76	20	1	17.2
13019X.3L59.1X.X	890 390 111	76	20	1	17.2
13019X.3L59.2X.X	890 390 111	76	20	1	17.2
13019X.3L50.1X.X	890 390 111	76	20	1	15.3
13019X.3L50.2X.X	890 390 111	76	20	1	15.3
13019X.3L54.1X.X	890 390 111	76	20	1	17.2
13019X.3L54.2X.X	890 390 111	76	20	1	17.2



\* Lower temperature range:  $-40^\circ\text{C}$  to  $-20^\circ\text{C}$ , depending on the type of power supply used (consultation with the LUG Technical Preparation of Production Branch is required).

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In order to apply the luminaire in an aggressive environment, for example with an increased concentration of sulfur, salt or other aggressive substances, a consultation with the LUG Technical Preparation of Production Branch is required.

Luminous flux tolerance  $\pm 10\%$ .

Power tolerance  $\pm 5\%$ .

Lighting beam, light intensity distribution and light efficiency were examined in accordance with the EN ISO 17025:2005 norm for EN13032 norm series and the LM-79 norm.

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The parameters in the data sheet are given for  $T_a = 25^\circ\text{C}$ .

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Code	Dimensions [mm] L W H	Mounting dimensions [mm] ØS	Pallet quantity	Quantity in package	Net weight [kg]
<b>Type: Tilt adjustment (PLUS version): -90° to +15° (O65, O66, O67, O68, O69, O70, O71 optics)</b>					
13019X.3L58.1X.X	890 390 111	76	20	1	17.2
13019X.3L58.2X.X	890 390 111	76	20	1	17.2
13019X.3L49.1X.X	890 390 111	76	20	1	15.3
13019X.3L49.2X.X	890 390 111	76	20	1	15.3
13019X.3L53.1X.X	890 390 111	76	20	1	17.2
13019X.3L53.2X.X	890 390 111	76	20	1	17.2
13019X.3L57.1X.X	890 390 111	76	20	1	17.2
13019X.3L57.2X.X	890 390 111	76	20	1	17.2
<b>Type: Tilt adjustment (PLUS version): -90° to +15° (O58, O59, O60, O61, O62, O63, O64 optics)</b>					
13019X.3L40.1X.X	890 390 111	76	20	1	15.3
13019X.3L40.2X.X	890 390 111	76	20	1	15.3
13019X.3L44.1X.X	890 390 111	76	20	1	17.2
13019X.3L44.2X.X	890 390 111	76	20	1	17.2
13019X.3L48.1X.X	890 390 111	76	20	1	17.2
13019X.3L48.2X.X	890 390 111	76	20	1	17.2
13019X.3L39.1X.X	890 390 111	76	20	1	15.3
13019X.3L39.2X.X	890 390 111	76	20	1	15.3
13019X.3L43.1X.X	890 390 111	76	20	1	17.2
13019X.3L43.2X.X	890 390 111	76	20	1	17.2
13019X.3L47.1X.X	890 390 111	76	20	1	17.2
13019X.3L47.2X.X	890 390 111	76	20	1	17.2
13019X.3L38.1X.X	890 390 111	76	20	1	15.3
13019X.3L38.2X.X	890 390 111	76	20	1	15.3
13019X.3L42.1X.X	890 390 111	76	20	1	17.2
13019X.3L42.2X.X	890 390 111	76	20	1	17.2
13019X.3L46.1X.X	890 390 111	76	20	1	17.2
13019X.3L46.2X.X	890 390 111	76	20	1	17.2
13019X.3L37.1X.X	890 390 111	76	20	1	15.3
13019X.3L37.2X.X	890 390 111	76	20	1	15.3
13019X.3L41.1X.X	890 390 111	76	20	1	17.2
13019X.3L41.2X.X	890 390 111	76	20	1	17.2
13019X.3L45.1X.X	890 390 111	76	20	1	17.2
13019X.3L45.2X.X	890 390 111	76	20	1	17.2
<b>Type: Regulation 0° ... +15° (O50, O51, O52, O53, O54, O55 optics)</b>					
13019X.5L31.1X.X	730 295 135	-	24	1	11.0
13019X.5L31.2X.X	730 295 135	-	24	1	11.0
13019X.5L32.1X.X	730 295 135	-	24	1	11.0
13019X.5L32.2X.X	730 295 135	-	24	1	11.0
13019X.5L33.1X.X	730 295 135	-	24	1	11.0
13019X.5L33.2X.X	730 295 135	-	24	1	11.0
13019X.5L34.1X.X	730 295 135	-	24	1	11.0
13019X.5L34.2X.X	730 295 135	-	24	1	11.0
13019X.5L35.1X.X	730 295 135	-	24	1	11.0
13019X.5L35.2X.X	730 295 135	-	24	1	11.0
13019X.5L36.1X.X	730 295 135	-	24	1	11.0
13019X.5L36.2X.X	730 295 135	-	24	1	11.0

\* Lower temperature range: -40°C to -20°C, depending on the type of power supply used (consultation with the LUG Technical Preparation of Production Branch is required).

Please note that the standard luminaire is not intended for use in an environment with an increased corrosivity category. The use of the luminaire for work in an environment for which additional corrosion protection is necessary requires the use of an index with the extension .985 (on request).

In order to apply the luminaire in an aggressive environment, for example with an increased concentration of sulfur, salt or other aggressive substances, a consultation with the LUG Technical Preparation of Production Branch is required.

Luminous flux tolerance +/- 10%.

Power tolerance +/- 5%.

Lighting beam, light intensity distribution and light efficiency were examined in accordance with the EN ISO 17025:2005 norm for EN13032 norm series and the LM-79 norm.

Up-to-date product info and General Warranty Terms available on our website [www.luglightfactory.com](http://www.luglightfactory.com)

Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The parameters in the data sheet are given for Ta=25°C.

The operating temperature ranges apply only to luminaires used in the outdoor environment.

Date of issue: 27-8-2021

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Code	Dimensions [mm] L W H	Mounting dimensions [mm] ØS	Pallet quantity	Quantity in package	Net weight [kg]
<b>Type: Regulation -15° ... 0° (O50, O51, O52, O53, O54, O55 optics)</b>					
13019X.5L31.1X1.X	730 295 135	-	24	1	11.0
13019X.5L31.2X1.X	730 295 135	-	24	1	11.0
13019X.5L32.1X1.X	730 295 135	-	24	1	11.0
13019X.5L32.2X1.X	730 295 135	-	24	1	11.0
13019X.5L33.1X1.X	730 295 135	-	24	1	11.0
13019X.5L33.2X1.X	730 295 135	-	24	1	11.0
13019X.5L34.1X1.X	730 295 135	-	24	1	11.0
13019X.5L34.2X1.X	730 295 135	-	24	1	11.0
13019X.5L35.1X1.X	730 295 135	-	24	1	11.0
13019X.5L35.2X1.X	730 295 135	-	24	1	11.0
13019X.5L36.1X1.X	730 295 135	-	24	1	11.0
13019X.5L36.2X1.X	730 295 135	-	24	1	11.0
<b>Type: Regulation 0° ... +15° (O1, O2, O3, O4, O5, O7, O8 optics)</b>					
13019X.5L05.1X1.X	730 295 135	-	24	1	11.0
13019X.5L05.2X1.X	730 295 135	-	24	1	11.0
13019X.5L06.1X1.X	730 295 135	-	24	1	11.0
13019X.5L06.2X1.X	730 295 135	-	24	1	11.0
13019X.5L08.1X1.X	730 295 135	-	24	1	11.2
13019X.5L08.2X1.X	730 295 135	-	24	1	11.2
13019X.5L09.1X1.X	730 295 135	-	24	1	11.2
13019X.5L09.2X1.X	730 295 135	-	24	1	11.2
13019X.5L11.1X1.X	730 295 135	-	24	1	12.4
13019X.5L12.1X1.X	730 295 135	-	24	1	12.4
<b>Type: Regulation -15° ... 0° (O1, O2, O3, O4, O5, O7, O8 optics)</b>					
13019X.5L05.1X1.X	730 295 135	-	24	1	11.0
13019X.5L05.2X1.X	730 295 135	-	24	1	11.0
13019X.5L06.1X1.X	730 295 135	-	24	1	11.0
13019X.5L06.2X1.X	730 295 135	-	24	1	11.0
13019X.5L08.1X1.X	730 295 135	-	24	1	11.2
13019X.5L08.2X1.X	730 295 135	-	24	1	11.2
13019X.5L09.1X1.X	730 295 135	-	24	1	11.2
13019X.5L09.2X1.X	730 295 135	-	24	1	11.2
13019X.5L11.1X1.X	730 295 135	-	24	1	12.4
13019X.5L12.1X1.X	730 295 135	-	24	1	12.4

\* Lower temperature range: -40°C to -20°C, depending on the type of power supply used (consultation with the LUG Technical Preparation of Production Branch is required).

Please note that the standard luminaire is not intended for use in an environment with an increased corrosivity category. The use of the luminaire for work in an environment for which additional corrosion protection is necessary requires the use of an index with the extension .985 (on request).

In order to apply the luminaire in an aggressive environment, for example with an increased concentration of sulfur, salt or other aggressive substances, a consultation with the LUG Technical Preparation of Production Branch is required.

Luminous flux tolerance +/- 10%.

Power tolerance +/- 5%.

Lighting beam, light intensity distribution and light efficiency were examined in accordance with the EN ISO 17025:2005 norm for EN13032 norm series and the LM-79 norm.

Up-to-date product info and General Warranty terms available on our website [www.luglightfactory.com](http://www.luglightfactory.com)

Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The parameters in the data sheet are given for Ta=25°C.

The operating temperature ranges apply only to luminaires used in the outdoor environment.

Date of issue: 27-8-2021

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**ACCESSORIES**

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- 150170.00818
- 150173.00906

Wall bracket ø60mm

\* Lower temperature range: -40°C to -20°C, depending on the type of power supply used (consultation with the LUG Technical Preparation of Production Branch is required).

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Power tolerance +/- 5%.

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Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The parameters in the data sheet are given for  $T_a=25^{\circ}\text{C}$ .

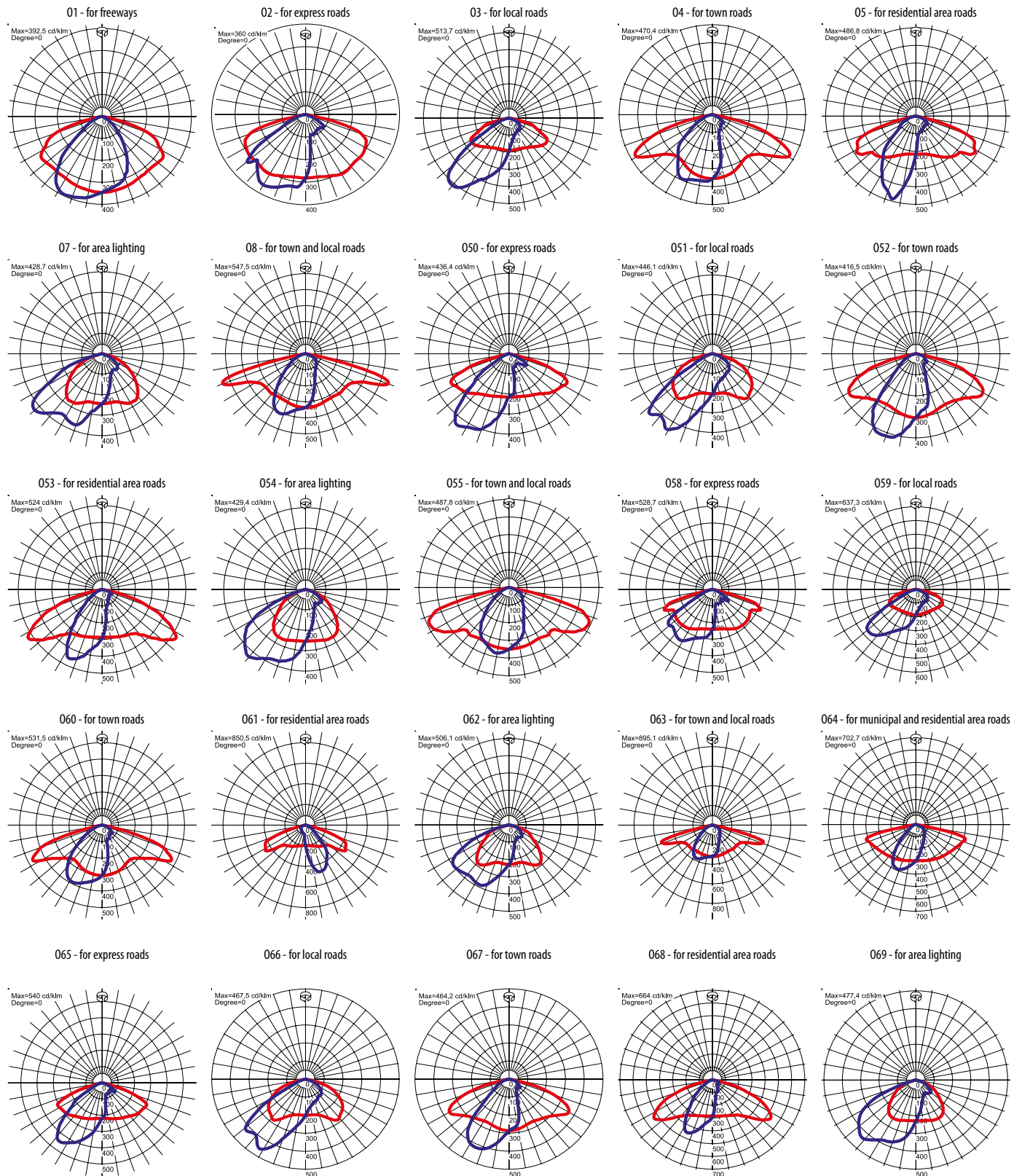
The operating temperature ranges apply only to luminaires used in the outdoor environment.

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## LIGHT BEAM CURVES



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Luminous flux tolerance +/- 10%.

Power tolerance +/- 5%.

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The parameters in the data sheet are given for  $T_a=25^\circ\text{C}$ .

The operating temperature ranges apply only to luminaires used in the outdoor environment.

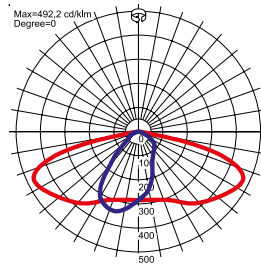
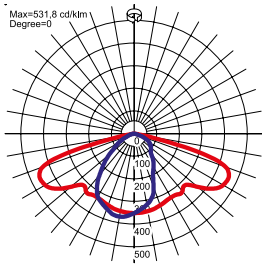
Date of issue: 27-8-2021

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



070 - for town and local roads

071 - for municipal and residential area roads



\* Lower temperature range: -40°C to -20°C, depending on the type of power supply used (consultation with the LUG Technical Preparation of Production Branch is required).

Please note that the standard luminaire is not intended for use in an environment with an increased corrosivity category. The use of the luminaire for work in an environment for which additional corrosion protection is necessary requires the use of an index with the extension .985 (on request).

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Luminous flux tolerance +/- 10%.

Power tolerance +/- 5%.

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Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The parameters in the data sheet are given for  $T_a=25^{\circ}\text{C}$ .

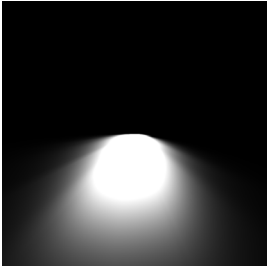
The operating temperature ranges apply only to luminaires used in the outdoor environment.

Date of issue: 27-8-2021

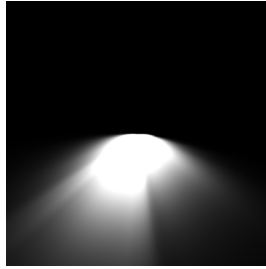
The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

## WAY OF LIGHTING

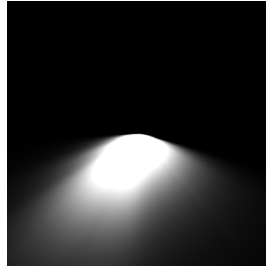
01 - for freeways



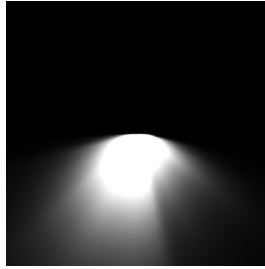
02 - for express roads



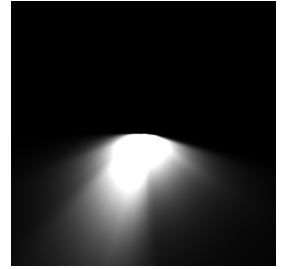
03 - for local roads



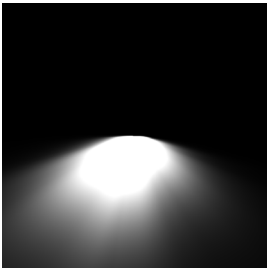
04 - for town roads



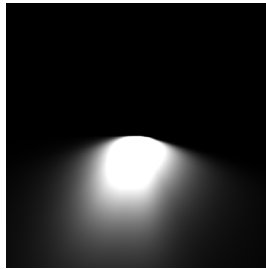
05 - for residential area roads



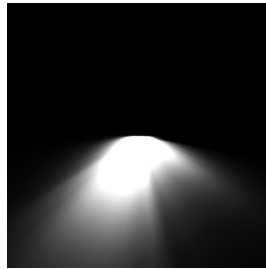
07 - for area lighting



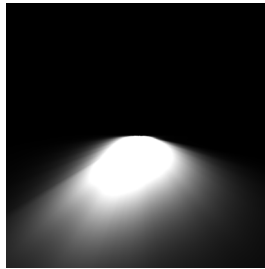
08 - for town and local roads



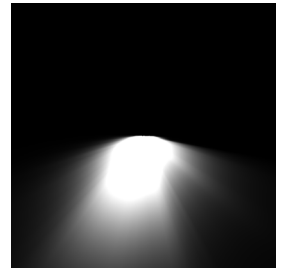
050 - for express roads



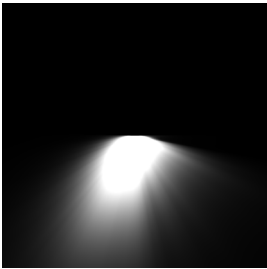
051 - for local roads



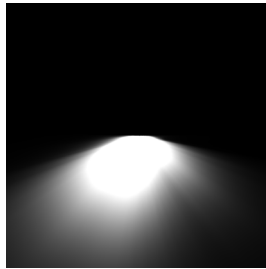
052 - for town roads



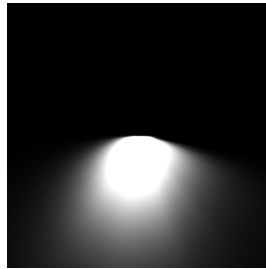
053 - for residential area roads



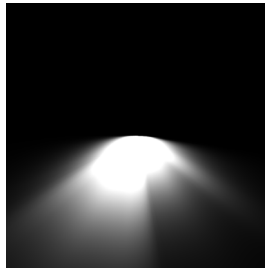
054 - for area lighting



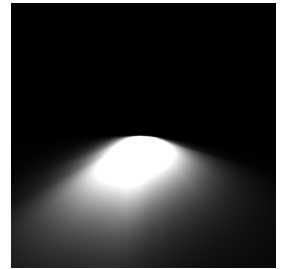
055 - for town and local roads



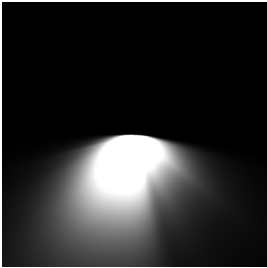
058 - for express roads



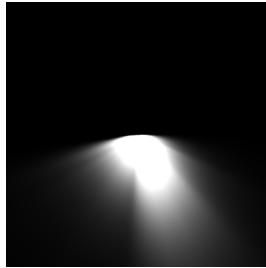
059 - for local roads



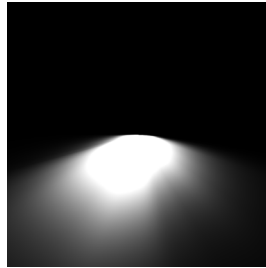
060 - for town roads



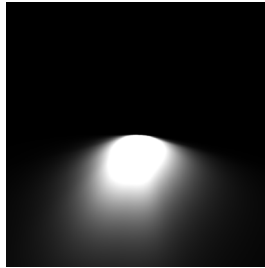
061 - for residential area roads



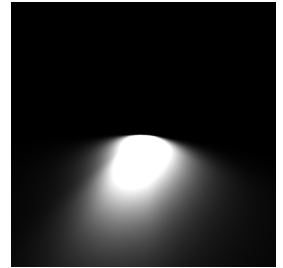
062 - for area lighting



063 - for town and local roads



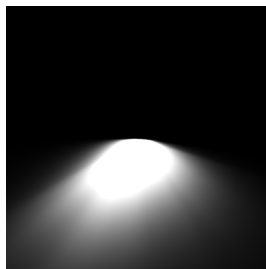
064 - for municipal and residential area roads



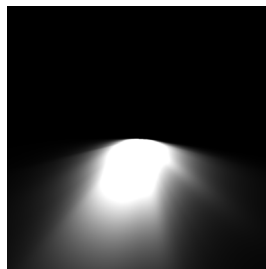
065 - for express roads



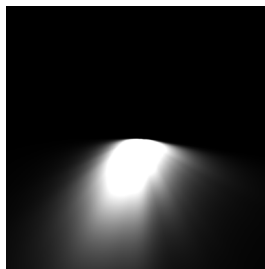
066 - for local roads



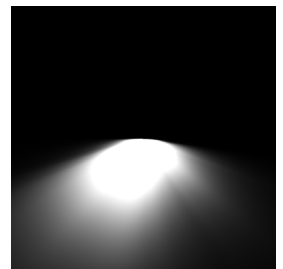
067 - for town roads



068 - for residential area roads



069 - for area lighting



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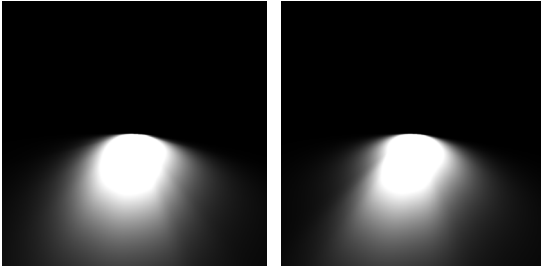
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Date of issue: 27-8-2021

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**OTHER PROJECTS**

Gorzowska Street, Zielona Gora, Poland

Zjednoczenia Avenue, Zielona Góra, Poland

Podwarpie, Poland

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