

A functionally optimised modern LED luminaire that complements the URBINO LED luminaire family in an environmentally responsible way with solutions for lower power and flux points.

**TECHNICAL DATA**

**Mounting:** on pillar  $\varnothing 60/40$ mm, on outriggers  $\varnothing 60/40$ mm

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

**Lateral Surface Wind Exposed:** 0.035 m<sup>2</sup>

**Colour:** gray

**Diffuser:** tempered glass

**ELECTRICAL DATA**

**Power supply efficiency:**  $\leq 93\%$

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

**Includes light source:** yes

**Type of equipment:** ED

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

**OPTICAL DATA**

**Way of lighting:** direct

**Type of optic:** 011, 012, 013, 014, 015, 016, 017, 018, 01, 02, 03, 04, 05, 06, 07, 08, 09, 019, 020, 021, 010

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

**GENERAL DATA**

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

**Available on request:** DALI, DIM 1..10V, knife switch, 10kV surge protection, NTC, NEMA connector, ZHAGA connector, version with increased corrosion resistance in accordance with class C5-M, extension of the warranty to 10 years

**Warranty:** 5 years

**Application:** cycle paths, avenues, sidewalks, parks, parking areas, Railway stations, residential, public spaces, playgrounds, promenade, local roads, town roads, residential area roads, pedestrian crossings

**Additional information:** the standard version of the luminaire is corrosion resistant according to class C4

**Other remarks:** the pole and boom are not part of the luminaire

**Additional equipment:** luminaire with pole mounting bracket  $\varnothing 76$ mm (index extension: .829), luminaire with adjustable bracket  $\varnothing 60$ mm with adjustment range from  $-20^\circ$  to  $+145^\circ$  (index extension: .867), luminaire with adjustable bracket  $\varnothing 76$ mm with adjustment range from  $-20^\circ$  to  $+145^\circ$  (index extension: .876), dual Zhaga connector for IoT controller and motion sensor (index extension: .875)



Code	Type of equipment	Luminaire power [W]	Lumen luminaire [lm]	Efficacy [lm/W]	Colour temperature [K]	CRI/Ra	Operating temperature range [°C]
<b>Type: 011, 012, 013, 014, 015, 016, 017, 018 optics</b>							
130782.5L04X.XX0.XXX	ED	4,5	600	133	4000	>70	-40 ... +55
130782.5L03X.XX0.XXX	ED	4,5	600	133	3000	>70	-40 ... +55
130782.5L02X.XX0.XXX	ED	4,5	550	122	2700	>70	-40 ... +55
130782.5L01X.XX0.XXX	ED	4,5	500	111	2200	>70	-40 ... +55
130782.5L16X.XX0.XXX	ED	16	2400	150	4000	>70	-40 ... +55
130782.5L15X.XX0.XXX	ED	16	2400	150	3000	>70	-40 ... +55
130782.5L14X.XX0.XXX	ED	16	2200	138	2700	>70	-40 ... +55
130782.5L13X.XX0.XXX	ED	16	2050	128	2200	>70	-40 ... +55
130782.5L08X.XX0.XXX	ED	16	2350	147	4000	>70	-40 ... +55
130782.5L07X.XX0.XXX	ED	16	2350	147	3000	>70	-40 ... +55
130782.5L06X.XX0.XXX	ED	16	2150	134	2700	>70	-40 ... +55
130782.5L05X.XX0.XXX	ED	16	2000	125	2200	>70	-40 ... +55
130782.5L20X.XX0.XXX	ED	36	5650	157	4000	>70	-40 ... +55

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%; colour temperature 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  $T_a = 25^\circ\text{C}$ .

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

Code	Type of equipment	Luminaire power [W]	Lumen luminaire [lm]	Efficacy [lm/W]	Colour temperature [K]	CRI/Ra	Operating temperature range [°C]
<b>Type: O11, O12, O13, O14, O15, O16, O17, O18 optics</b>							
130782.5L19X.XX0.XXX	ED	36	5650	157	3000	>70	-40 ... +55
130782.5L18X.XX0.XXX	ED	36	5200	144	2700	>70	-40 ... +55
130782.5L17X.XX0.XXX	ED	36	4800	133	2200	>70	-40 ... +55
130782.5L12X.XX0.XXX	ED	40	5500	138	4000	>70	-40 ... +50
130782.5L11X.XX0.XXX	ED	40	5500	138	3000	>70	-40 ... +50
130782.5L10X.XX0.XXX	ED	40	5050	126	2700	>70	-40 ... +50
130782.5L09X.XX0.XXX	ED	40	4700	118	2200	>70	-40 ... +50
130782.5L24X.XX0.XXX	ED	72	10350	144	4000	>70	-40 ... +40
130782.5L23X.XX0.XXX	ED	72	10350	144	3000	>70	-40 ... +40
130782.5L22X.XX0.XXX	ED	72	9500	132	2700	>70	-40 ... +40
130782.5L21X.XX0.XXX	ED	72	8800	122	2200	>70	-40 ... +40
<b>Type: O1, O2, O3, O4, O5, O6, O7, O8, O9, O19, O20, O21 optics</b>							
130772.5L04X.XX0.XXX	ED	4,5	550	122	4000	>70	-40 ... +55
130772.5L03X.XX0.XXX	ED	4,5	550	122	3000	>70	-40 ... +55
130772.5L02X.XX0.XXX	ED	4,5	500	111	2700	>70	-40 ... +55
130772.5L01X.XX0.XXX	ED	4,5	450	100	2200	>70	-40 ... +55
130772.5L16X.XX0.XXX	ED	16	2250	141	4000	>70	-40 ... +55
130772.5L15X.XX0.XXX	ED	16	2250	141	3000	>70	-40 ... +55
130772.5L14X.XX0.XXX	ED	16	2000	125	2700	>70	-40 ... +55
130772.5L13X.XX0.XXX	ED	16	1750	109	2200	>70	-40 ... +55
130772.5L08X.XX0.XXX	ED	16	2100	131	4000	>70	-40 ... +55
130772.5L07X.XX0.XXX	ED	16	2100	131	3000	>70	-40 ... +55
130772.5L06X.XX0.XXX	ED	16	1900	119	2700	>70	-40 ... +55
130772.5L05X.XX0.XXX	ED	16	1650	103	2200	>70	-40 ... +55
130772.5L20X.XX0.XXX	ED	37	5700	154	4000	>70	-40 ... +50
130772.5L19X.XX0.XXX	ED	37	5700	154	3000	>70	-40 ... +50
130772.5L18X.XX0.XXX	ED	37	5150	139	2700	>70	-40 ... +50
130772.5L17X.XX0.XXX	ED	37	4450	120	2200	>70	-40 ... +50
130772.5L12X.XX0.XXX	ED	41	4750	116	4000	>70	-40 ... +50
130772.5L11X.XX0.XXX	ED	41	4750	116	3000	>70	-40 ... +50
130772.5L10X.XX0.XXX	ED	41	4250	104	2700	>70	-40 ... +50
130772.5L09X.XX0.XXX	ED	41	3700	90	2200	>70	-40 ... +50
130772.5L24X.XX0.XXX	ED	74	8950	121	4000	>70	-40 ... +40
130772.5L23X.XX0.XXX	ED	74	8950	121	3000	>70	-40 ... +40
130772.5L22X.XX0.XXX	ED	74	8000	108	2700	>70	-40 ... +40
130772.5L21X.XX0.XXX	ED	74	6950	94	2200	>70	-40 ... +40
<b>Type: O10 optics</b>							
130772.5L16X.XX0.XXX	ED	16	2150	134	4000	>70	-40 ... +55
130772.5L15X.XX0.XXX	ED	16	2150	134	3000	>70	-40 ... +55
130772.5L14X.XX0.XXX	ED	16	1900	119	2700	>70	-40 ... +55
130772.5L13X.XX0.XXX	ED	16	1650	103	2200	>70	-40 ... +55
130772.5L20X.XX0.XXX	ED	37	5450	147	4000	>70	-40 ... +50
130772.5L19X.XX0.XXX	ED	37	5450	147	3000	>70	-40 ... +50
130772.5L18X.XX0.XXX	ED	37	4900	132	2700	>70	-40 ... +50
130772.5L17X.XX0.XXX	ED	37	4250	115	2200	>70	-40 ... +50
130772.5L24X.XX0.XXX	ED	74	8500	115	4000	>70	-40 ... +40
130772.5L23X.XX0.XXX	ED	74	8500	115	3000	>70	-40 ... +40
130772.5L22X.XX0.XXX	ED	74	7650	103	2700	>70	-40 ... +40

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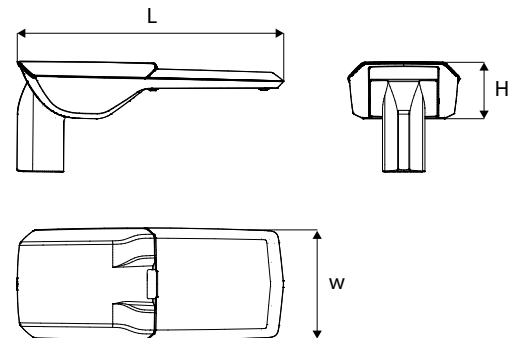
The parameters in the data sheet are given for Ta=25°C.

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

Code	Type of equipment	Luminaire power [W]	Lumen luminaire [lm]	Efficacy [lm/W]	Colour temperature [K]	CRI/Ra	Operating temperature range [°C]
<b>Type: O10 optics</b>							
130772.5L21X.XX0.XXX	ED	74	6600	89	2200	>70	-40 ... +40

130782.5L04		.		0.	
					Type of luminaires
					875 Dual Zhaga connector for IoT controller and motion sensor - on request
					829 Luminaire with holder for mounting on a ø76mm pillar - on request
					867 Luminaire with ø60mm adjustable bracket with an adjustment range of -20° to +145° - available on request
					876 Luminaire with ø76mm adjustable bracket with an adjustment range of -20° to +145° - available on request
					Type of optic
				01	O1
				02	O2
				03	O3
				04	O4
				05	O5
				06	O6
				07	O7
				08	O8
				09	O9
				10	O10
				11	O11
				12	O12
				13	O13
				14	O14
				15	O15
				16	O16
				17	O17
				18	O18
				19	O19
				20	O20
				21	O21
					Protection Class
				1	I
				2	II

Code	Dimensions [mm] L W H	Quantity of luminaires per pallet	Quantity in package	Net weight [kg]
<b>Type: O11, O12, O13, O14, O15, O16, O17, O18 optics</b>				
130782.5L04X.XX0.XXX	470 200 100	70	1	4.5
130782.5L03X.XX0.XXX	470 200 100	70	1	4.5
130782.5L02X.XX0.XXX	470 200 100	70	1	4.5
130782.5L01X.XX0.XXX	470 200 100	70	1	4.5
130782.5L16X.XX0.XXX	470 200 100	70	1	4.5
130782.5L15X.XX0.XXX	470 200 100	70	1	4.5
130782.5L14X.XX0.XXX	470 200 100	70	1	4.5
130782.5L13X.XX0.XXX	470 200 100	70	1	4.5
130782.5L08X.XX0.XXX	470 200 100	70	1	4.5
130782.5L07X.XX0.XXX	470 200 100	70	1	4.5
130782.5L06X.XX0.XXX	470 200 100	70	1	4.5
130782.5L05X.XX0.XXX	470 200 100	70	1	4.5
130782.5L20X.XX0.XXX	470 200 100	70	1	4.5
130782.5L19X.XX0.XXX	470 200 100	70	1	4.5
130782.5L18X.XX0.XXX	470 200 100	70	1	4.5



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130782.5L17X.XX0.XXX	470 200 100	70	1	4.5
130782.5L12X.XX0.XXX	470 200 100	70	1	4.5
130782.5L11X.XX0.XXX	470 200 100	70	1	4.5
130782.5L10X.XX0.XXX	470 200 100	70	1	4.5
130782.5L09X.XX0.XXX	470 200 100	70	1	4.5
130782.5L24X.XX0.XXX	470 200 100	70	1	4.5
130782.5L23X.XX0.XXX	470 200 100	70	1	4.5
130782.5L22X.XX0.XXX	470 200 100	70	1	4.5
130782.5L21X.XX0.XXX	470 200 100	70	1	4.5
<b>Type: O1, O2, O3, O4, O5, O6, O7, O8, O9, O19, O20, O21 optics</b>				
130772.5L04X.XX0.XXX	470 200 100	70	1	4.5
130772.5L03X.XX0.XXX	470 200 100	70	1	4.5
130772.5L02X.XX0.XXX	470 200 100	70	1	4.5
130772.5L01X.XX0.XXX	470 200 100	70	1	4.5
130772.5L16X.XX0.XXX	470 200 100	70	1	4.5
130772.5L15X.XX0.XXX	470 200 100	70	1	4.5
130772.5L14X.XX0.XXX	470 200 100	70	1	4.5
130772.5L13X.XX0.XXX	470 200 100	70	1	4.5
130772.5L08X.XX0.XXX	470 200 100	70	1	4.5
130772.5L07X.XX0.XXX	470 200 100	70	1	4.5
130772.5L06X.XX0.XXX	470 200 100	70	1	4.5
130772.5L05X.XX0.XXX	470 200 100	70	1	4.5
130772.5L20X.XX0.XXX	470 200 100	70	1	4.5
130772.5L19X.XX0.XXX	470 200 100	70	1	4.5
130772.5L18X.XX0.XXX	470 200 100	70	1	4.5
130772.5L17X.XX0.XXX	470 200 100	70	1	4.5
130772.5L12X.XX0.XXX	470 200 100	70	1	4.5
130772.5L11X.XX0.XXX	470 200 100	70	1	4.5
130772.5L10X.XX0.XXX	470 200 100	70	1	4.5
130772.5L09X.XX0.XXX	470 200 100	70	1	4.5
130772.5L24X.XX0.XXX	470 200 100	70	1	4.5
130772.5L23X.XX0.XXX	470 200 100	70	1	4.5
130772.5L22X.XX0.XXX	470 200 100	70	1	4.5
130772.5L21X.XX0.XXX	470 200 100	70	1	4.5
<b>Type: O10 optics</b>				
130772.5L16X.XX0.XXX	470 200 100	70	1	4.5
130772.5L15X.XX0.XXX	470 200 100	70	1	4.5
130772.5L14X.XX0.XXX	470 200 100	70	1	4.5
130772.5L13X.XX0.XXX	470 200 100	70	1	4.5
130772.5L20X.XX0.XXX	470 200 100	70	1	4.5
130772.5L19X.XX0.XXX	470 200 100	70	1	4.5
130772.5L18X.XX0.XXX	470 200 100	70	1	4.5
130772.5L17X.XX0.XXX	470 200 100	70	1	4.5
130772.5L24X.XX0.XXX	470 200 100	70	1	4.5
130772.5L23X.XX0.XXX	470 200 100	70	1	4.5
130772.5L22X.XX0.XXX	470 200 100	70	1	4.5
130772.5L21X.XX0.XXX	470 200 100	70	1	4.5

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%; colour temperature 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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## OTHER PICTURES



dual Zhaga connector (index extension: .875)

dual Zhaga connector (index extension: .875)

## ACCESSORIES



770020.001

eBLOC-N Controller - Thread communication

770020.002

eBLOC-N Controller - Thread communication + GNSS location

770020.004

eBLOC-N Controller - LTE Cat M1/2G communication + GNSS location

770030.001

eBLOC-Z Controller - Thread communication

770030.002

eBLOC-Z Controller - Thread communication + GNSS location

770030.004

eBLOC-Z Controller - LTE Cat M1/2G communication + GNSS location



790013.001

HUBloT-1 EU pole mounted

790013.002

HUBloT-1 EU surface-mounted

790013.003

HUBloT-1 EU Ethernet pole mounted

790013.004

HUBloT-1 EU Ethernet surface-mounted

790013.101

HUBloT-1 Global pole mounted

790013.102

HUBloT-1 Global surface-mounted

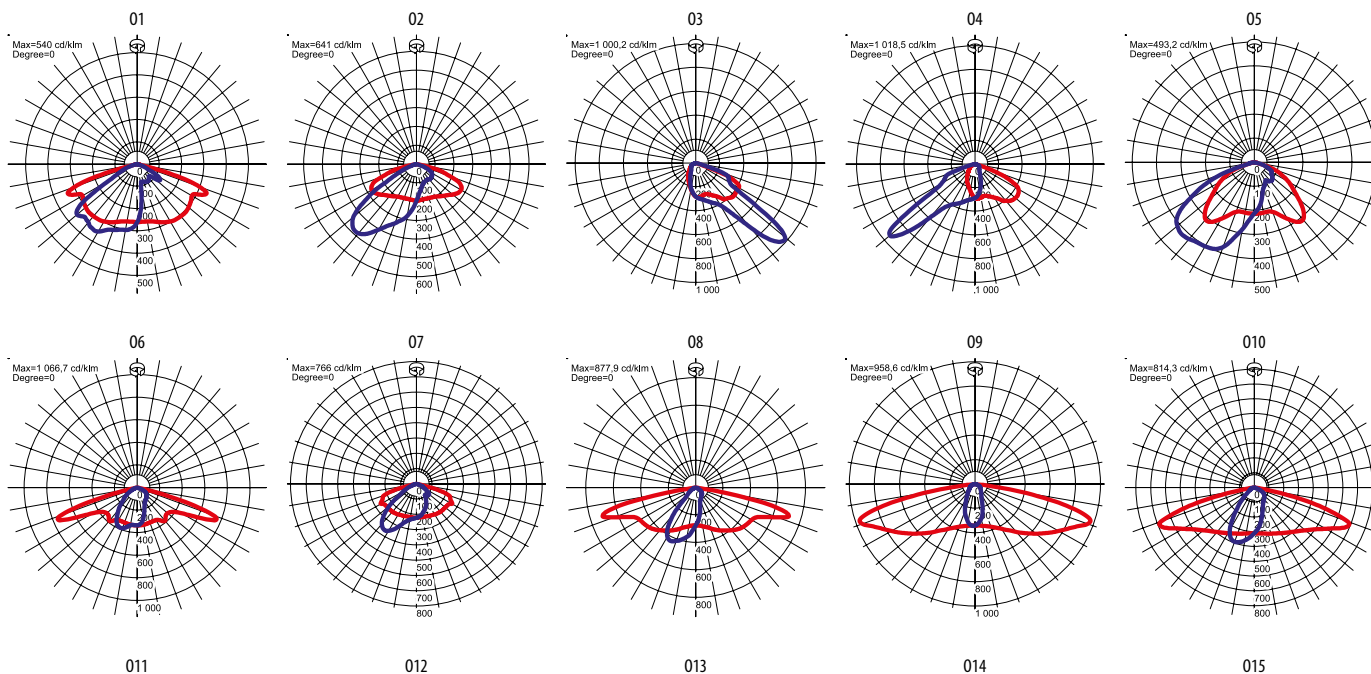
790013.103

HUBloT-1 Global Ethernet pole mounted

790013.104

HUBloT-1 Global Ethernet surface-mounted

## LIGHT BEAM CURVES



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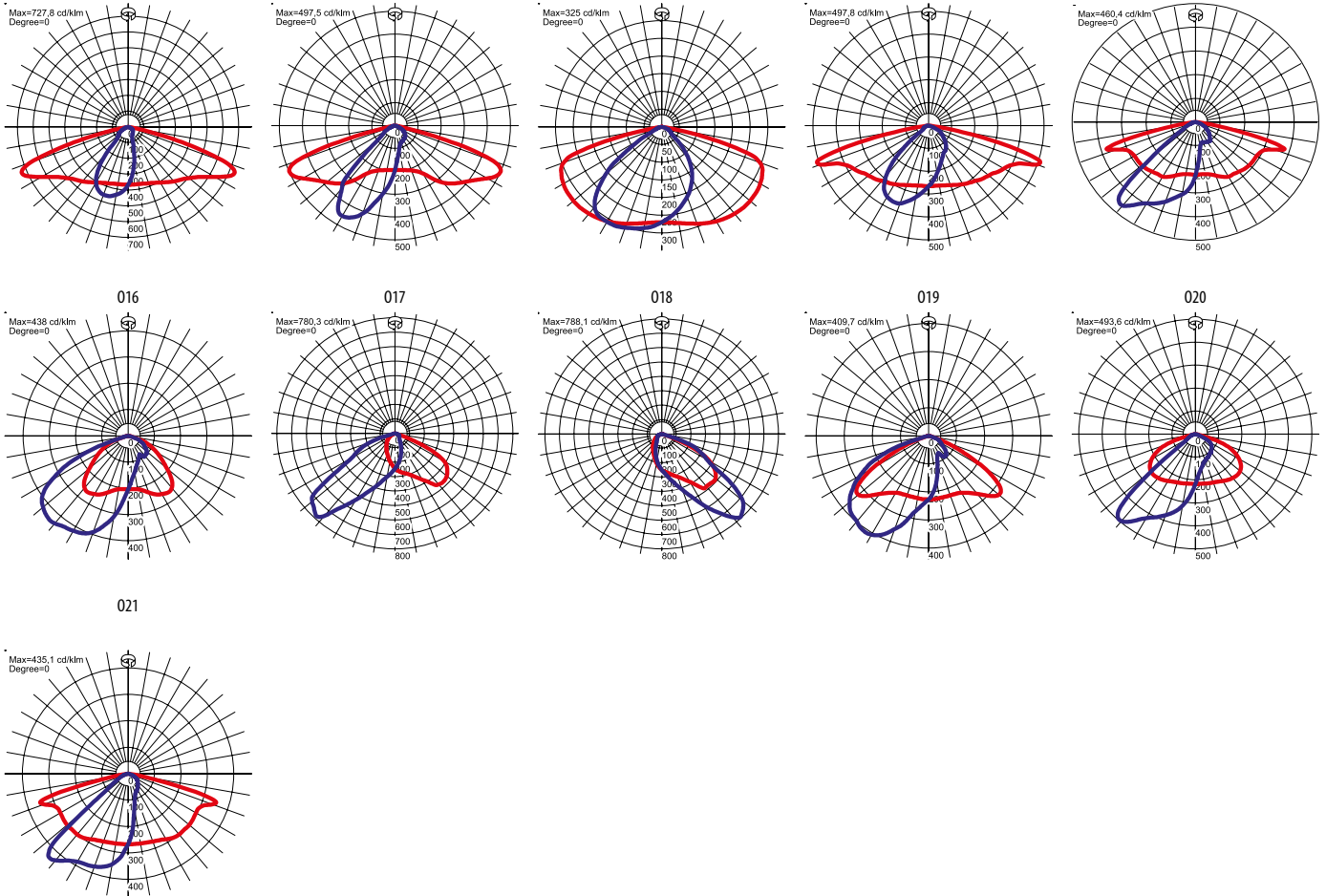
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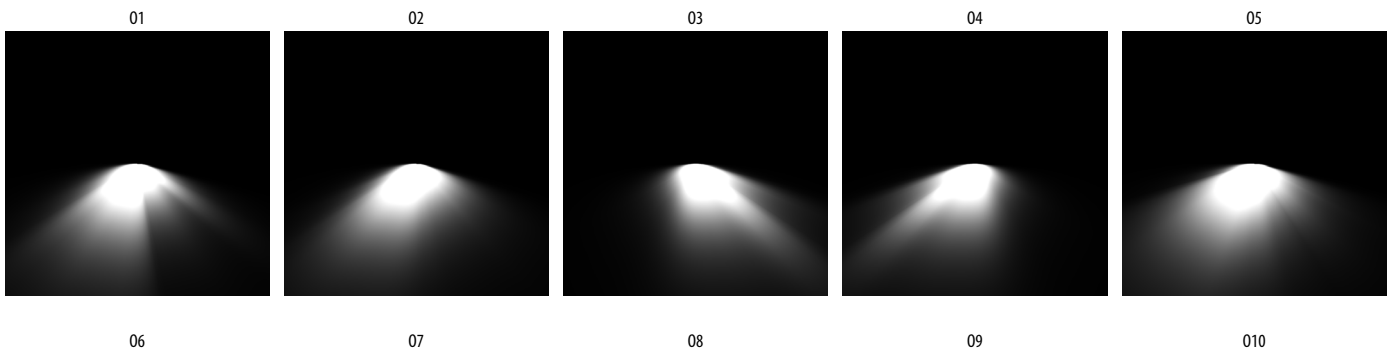
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## WAY OF LIGHTING



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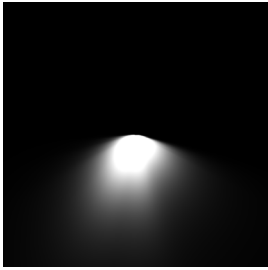
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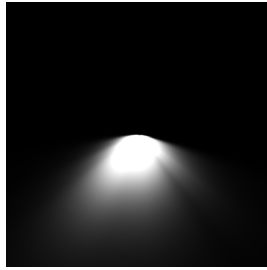
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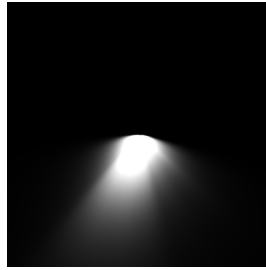
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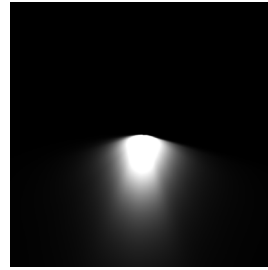
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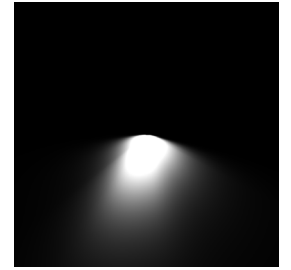
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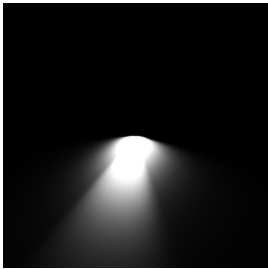
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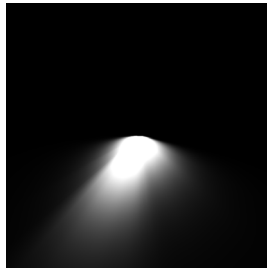
014



015



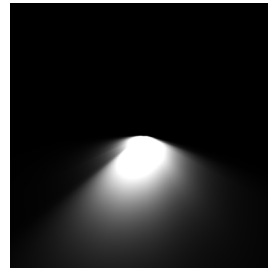
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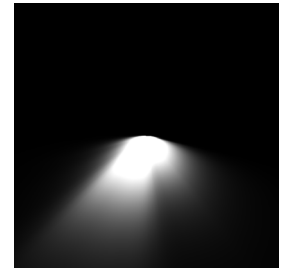
017



018



019



020



021



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