

# EVNL series, High Bay LED lighting fixtures for zone 2, 21, 22

## EVNL series selection chart

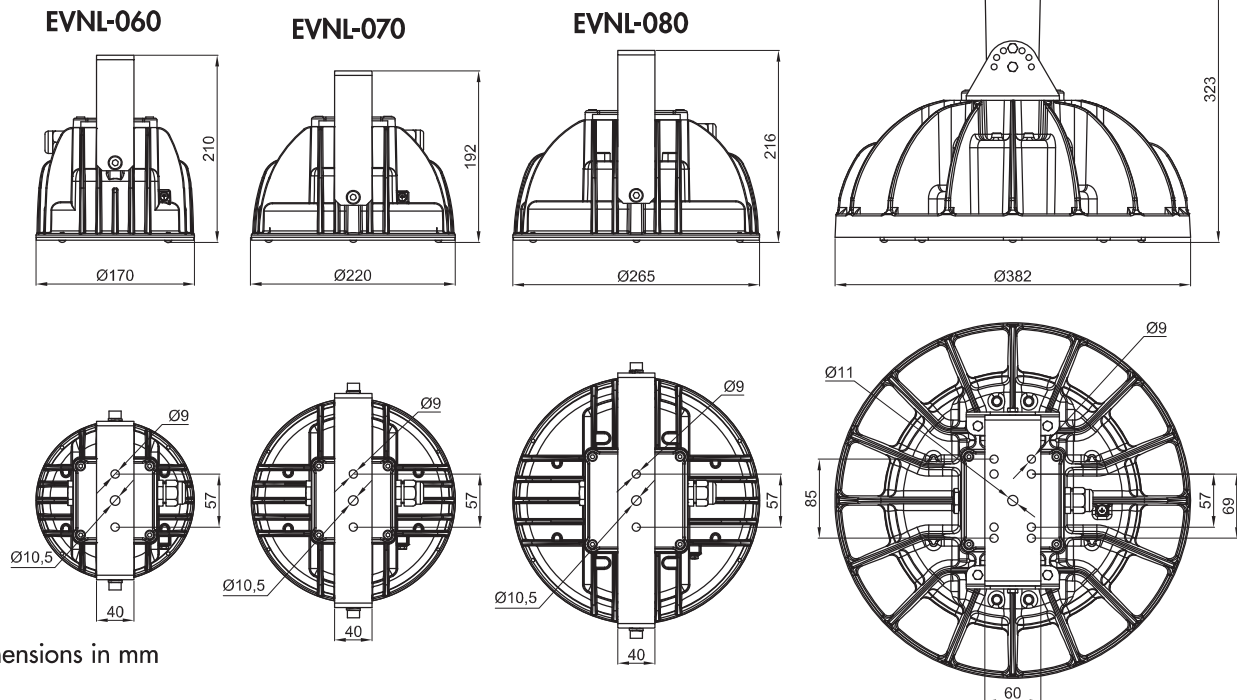
Code	Rated power value	Class / Max surface temp. °C			Lumen	Maximum light intensity	Overall efficiency	Weight kg	mm
		TA=+40°C	TA=+50°C	TA=+60°C					
<b>EVNL-060030</b>	30 W	T6 / 85°C	T6 / 85°C	T5 / 100°C	3179 lm	1138 cd	106 lm/W	2,5	215x205x170
<b>EVNL-060040</b>	40 W	T6 / 85°C	T5 / 100°C	T4 / 135°C	4778 lm	1668 cd	116 lm/W	2,5	215x205x170
<b>EVNL-060050</b>	50 W	T5 / 100°C	N/A	N/A	5170 lm	1825 cd	110 lm/W	2,5	215x205x170
<b>EVNL-070050</b>	50 W	T4 / 135°C	T4 / 135°C	T4 / 135°C	6730 lm	2201 cd	126 lm/W	3,3	250x235x165
<b>EVNL-070060</b>	60 W	T4 / 135°C	T4 / 135°C	T4 / 135°C	7863 lm	2575 cd	124 lm/W	3,3	250x235x165
<b>EVNL-070070</b>	70 W	T4 / 135°C	N/A	N/A	8443 lm	2775 cd	117 lm/W	3,3	250x235x165
<b>EVNL-070080</b>	80 W	T4 / 135°C	N/A	N/A	9468 lm	3104 cd	118 lm/W	3,3	250x235x165
<b>EVNL-080080</b>	80 W	T5 / 100°C	T4 / 135°C	T4 / 135°C	11330 lm	3598 cd	135 lm/W	4,3	290x290x170
<b>EVNL-080090</b>	90 W	T4 / 135°C	T4 / 135°C	T4 / 135°C	12196 lm	3895 cd	131 lm/W	4,3	290x290x170
<b>EVNL-080100</b>	100 W	T4 / 135°C	N/A	N/A	13004 lm	4145 cd	121 lm/W	4,3	290x290x170
<b>EVNL-080120</b>	120 W	T4 / 135°C	N/A	N/A	14233 lm	4557 cd	115 lm/W	4,3	290x290x170
<b>EVNL-100140</b>	140 W	T4 / 135°C	T4 / 135°C	T4 / 135°C	16161 lm	5194 cd	112 lm/W	9,2	385x385x250
<b>EVNL-100160</b>	160 W	T4 / 135°C	T4 / 135°C	T4 / 135°C	21189 lm	6862 cd	127 lm/W	9,2	385x385x250
<b>EVNL-100180</b>	180 W	T4 / 135°C	T4 / 135°C	T4 / 135°C	22163 lm	7182 cd	122 lm/W	9,2	385x385x250
<b>EVNL-100200</b>	200 W	T4 / 135°C	N/A	N/A	24494 lm	7971 cd	120 lm/W	9,2	385x385x250
<b>EVNL-100220</b>	220 W	T4 / 135°C	N/A	N/A	25498 lm	8323 cd	117 lm/W	9,2	385x385x250
<b>EVNL-060030-PC</b>	30 W	T6 / 85°C	T6 / 85°C	T5 / 100°C	3179 lm	1138 cd	106 lm/W	2,2	215x205x170
<b>EVNL-070060-PC</b>	60 W	T4 / 135°C	T4 / 135°C	N/A	7863 lm	2575 cd	124 lm/W	3,0	250x235x165
<b>EVNL-080090-PC</b>	90 W	T4 / 135°C	T4 / 135°C	N/A	12196 lm	3895 cd	131 lm/W	3,9	290x290x170
<b>EVNL-100160-PC</b>	160 W	T4 / 135°C	T4 / 135°C	N/A	21189 lm	6862 cd	127 lm/W	8,7	385x385x250

Transparent front cover  
tempered glass

Transparent cover in  
ppolycarbonate

### Dimensional drawing

### EVNL-100



Dimensions in mm

## EVNL Series Selection table

Electrical features	EVNL-060..	EVNL-070..	EVNL-080..	EVNL-100..
Power supply:	120-277 Vac	120-277 Vac	120-277 Vac	120-277 Vac
Rated frequency:	50-60 Hz ±5%	50-60 Hz ±5%	50-60 Hz ±5%	50-60 Hz ±5%
Power consumption*:	..030 30 W	..050 50 W	..080 80 W	..140 140 W
	..040 40 W	..060 60 W	..090 90 W	..160 160 W
	..050 50 W	..070 70 W	..100 100 W	..180 180 W
	-	..080 80 W	..120 120 W	..200 200 W
	-	-	-	..220 220 W
Connection:	Direct connection to terminal board L, N, Pe. Section 4mm <sup>2</sup> , suitable for loop-in/loop-out			
Power factor:	>0,93	>0,95	>0,97	>0,96
Rated current:	..030 140 mA	..050 230 mA	..080 350 mA	..140 640 mA
	..040 180 mA	..060 270 mA	..090 400 mA	..160 710 mA
	..050 220 mA	..070 310 mA	..100 440 mA	..180 800 mA
	-	..080 360 mA	..120 530 mA	..220 970 mA
EMC (electromagnetic compatibility):	EN 55015, EN 61547, IEC 61000-3-2, IEC 61000-3-3, IEC 61000-4-...			
THD (total harmonic distortion):	<10%			
Over-voltage protection:	4 kV	4 kV	4 kV	4 kV
Driver performances:	Over-Voltage protection, Over-Current protection, Short-Circuit protection			
Dimmer (on request):	(0-10 V) or PWM or resistor	(0-10 V) or PWM or resistor	(0-10 V) or PWM or resistor	(0-10 V) or PWM or resistor
<b>Photometric features</b>				
LED Multichip:	High power LED	High power LED	High power LED	High power LED
Viewing angle:	120°	120°	120°	120°
Colour temperature:	5700 K	5700 K	5700 K	5700 K
CRI:	>70	>70	>70	>70
Instant Restrike:	YES	YES	YES	YES
L90:	> 72600 h	> 72600 h	> 72600 h	> 72600 h

\* Test at 230Vac

### ACCESSORIES AVAILABLE / SPECIAL REQUESTS

CRI values higher  
 Dimmer  
 Different colour temperature  
 U bolt for pole mounting  
 Eyebolt  
 Cover with direct connection for pole  
 Additional NAV20SIB cable gland for unarmoured cable

## Accessories upon request and spare parts for lighting fixtures of the EVNL Series

ILLUSTRATION	DESCRIPTION	MODEL	CHARACTERISTICS	CODE	KEY
	Suspended eye bolt	Ø interno 20	Material: galvanized steel	<b>GOF-8</b>	 
	U-bolt for pole assembly	per pali Ø1 1/2"	Material: stainless steel AISI 316L	<b>UBD5S</b>	 
	Fastening bracket	EVNL-060...	Material: stainless steel AISI 316L	<b>G-764IN</b>	
		EVNL-070...		<b>G-765IN</b>	
		EVNL-080...		<b>G-766IN</b>	
		EVNL-100...		<b>G-827</b>	
	Cable gland	ISO M20	std. range cable 6,3÷11,6	<b>NAV20SIB</b>	
	Electronic power unit	EVNL-060030	120-277 Vac	<b>LEDDEVL060/2</b>	
		EVNL-060040		<b>LEDDEVL060/2/1</b>	
		EVNL-060050		<b>LEDDEVL060/2</b>	
		EVNL-070050	120-277 Vac	<b>LEDDEVL070/1</b>	
		EVNL-070060		<b>LEDDEVL070/1/2</b>	
		EVNL-070070		<b>LEDDEVL070/1/3</b>	
		EVNL-070080		<b>LEDDEVL080/4/1</b>	
		EVNL-080080	120-277 Vac	<b>LEDDEVL080/4/2</b>	
		EVNL-080090		<b>LEDDEVL080/4/3</b>	
		EVNL-080100		<b>LEDDEVL080/4/4</b>	
		EVNL-080120		<b>LEDDEVL080/5/2</b>	
		EVNL-100140	120-277 Vac	<b>LEDDEVL100/1/1</b>	
		EVNL-100160		<b>LEDDEVL100/1/5</b>	
		EVNL-100180		<b>LEDDEVL100/1/2</b>	
		EVNL-100200		<b>LEDDEVL100/1/3</b>	
		EVNL-100220	<b>LEDDEVL100/1/4</b>		
	Glass + gasket	EVNL-060...	Tempered front glass and black gasket	<b>G-831 + G-944</b>	
		EVNL-070...		<b>G-830 + G70-955</b>	
		EVNL-080...		<b>G-829 + G80-955</b>	
		EVNL-100...		<b>G-852 + G100-955</b>	
	Polycarbonate + gasket	EVNL-060...P	Transparent polycarbonate and black gasket	<b>G-831P + G-944</b>	
		EVNL-070...P		<b>G-830P+ G70-955</b>	
		EVNL-080...P		<b>G-829P + G80-955</b>	
		EVNL-100...P		<b>G-852P + G100-955</b>	