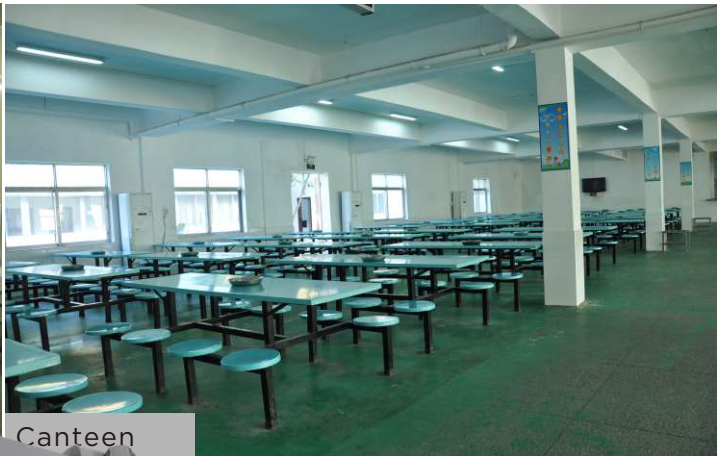
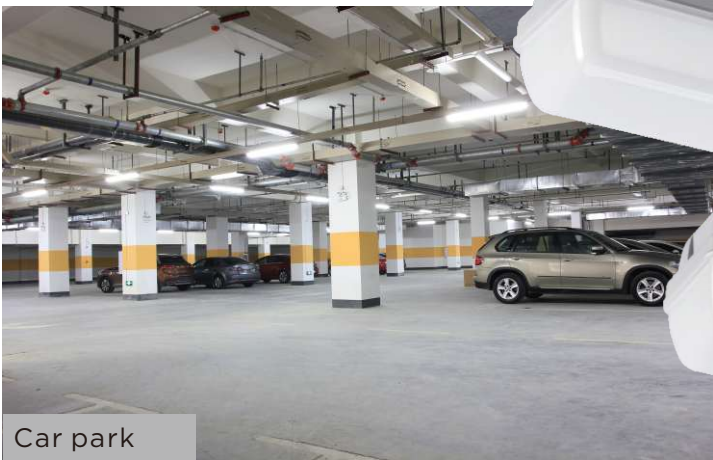




Workshop



Canteen



Car park



NVC NLED49* Series LED Waterproof Batten

Impact, dust and jet-proof LED luminaires
for indoor and outdoor applications.



Warehouse



**High lumen efficiency
up to 100lm/w**

Not only are the NLED49* very energy efficient, but they minimize maintenance too. Their long lifespan means that, with usage up to 10 hours a day, 7 days/week, they won't need to be changed for 8 years.

Thanks to the latest LED technology, these fitting can save 55% energy use with no reduction of light levels or quality.



Separate LED drivers for each LED strip, means that if one driver fails, it won't affect the other one, so one LED strip keeps working.

The connectors on the LED strips are easy to access, so the strips can be replaced if needed.



Grade 304 stainless steel clips and a silicon rubber gasket ensure the IP65 rating is maintained.



The housing and opal diffuser are both made of high quality polycarbonate which has excellent impact resistant properties.

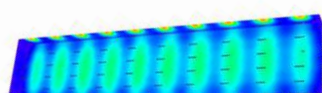
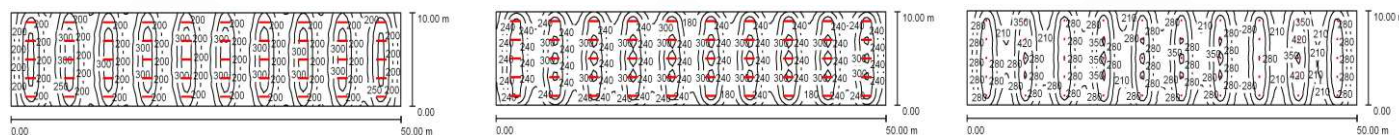
Equipped with grade 304 stainless steel mounting brackets, installation is made easy via screws without drilling into the luminaire housing. A cable gland and mounting brackets are supplied with every luminaire.

Case Study

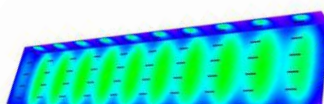
We have a car park in a space of 50x10x2.8m, mounting height: 2.800m, mounting number:50pcs to achieve 200 lux level, we choose 3 different waterproof batten-T8, T5 and LEDs. Let us see how they compare...

Scale 1 : 358

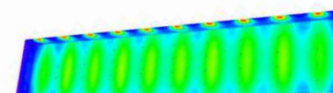
Room 1 /Luminaires (layout plan)



NDL492/2x36W T8



NLED492 36W LED



NDL493/2x35W T5

Take out your old T8/T5 fittings, replace them with LEDs and see how much you will save.

Fittings	NDL492/2x36W T8	NLED492 36W	NDL493/2x35W T5
Number of fittings installed	50	50	50
Lifespan (HRs)	10,000	30,000	10,000
Average illuminance	213lx	240lx	266lx
Uniformity	0.603	0.627	0.493
Total installed Lumens	70 Lm/W x 2x36W x50 x 60%=151200lm	190000 Lm	90 Lm/W x 2x35W x 50 x 60%=189000lm
Total installed Wattage(W) Driver assumed 80% efficient	4500W	1800W	4375W
Hours per year in total (10hrs/day, 365 days /year)	3650	3650	3650
Total KWh consumed per year	16425	6570	15968.75
Energy cost for 5 years (Assume \$0.20/KWh)	16425	6570	15968.75
How much can you save for energy in 5 years?	More than \$9399		
Number of lamp replacements	183	0	183
Labor cost of lamp replacement (\$0.5/lamp)	\$92	\$0.00	\$92
Cost of tubes	\$1.5	0	\$2
How much can you save for maintainence ?	\$366.5	No replacement	\$458
CO ² emissions per year (Kg /year)	8658.41	3463.36	8417.90
CO ² saving by using LED over 5 year period (Kg)	More than 4955kg		

* Fitting efficiency 60%

Specification

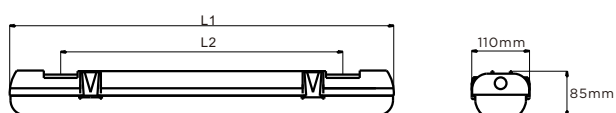
- SMD 2835
- PC housing
- Opal PC diffuser
- Stainless steel 304 clips and mounting brackets
- With built-in LED driver
- IP65

Applications

- General industry
- Food & beverage industry
- Dusty areas
- Wet & moist areas
- Car parks
- Storage areas

Model	Voltage	Lumens	Color Temp	Beam angle	PF	CRI	QTY CTN	CTN Dimension
NLED491 18W	220-240V	2000Lm	3000K/4000K/6000K	100°	0.85	80	8	585x260x225mm
NLED492 36W	220-240V	3800Lm	3000K/4000K/6000K	100°	0.85	80	8	1125x260x225mm
NLED493 54W	220-240V	5200Lm	3000K/4000K/6000K	100°	0.85	80	8	1125x260x225mm

Size



Model	L1	L2	Clips
NLED491 18W	650mm	465mm	4 pcs
NLED492 36W	1265mm	905mm	8 pcs
NLED493 54W	1550mm	1115mm	10 pcs

Photometric Data

