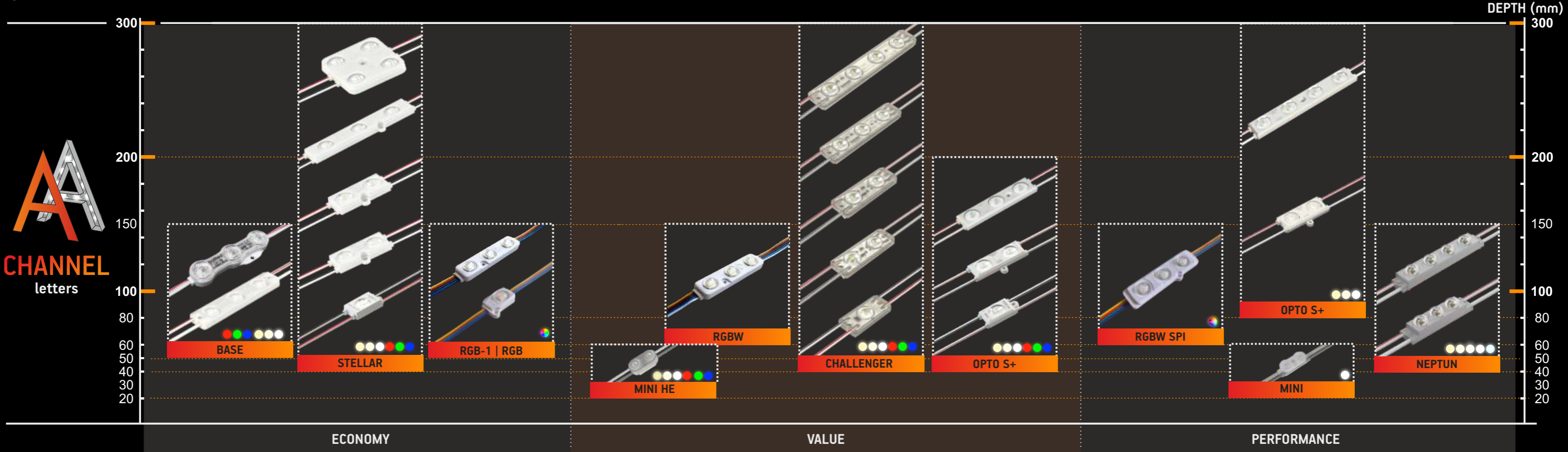


BACKLIGHTING SOLUTIONS FOR LETTERS

QUICK SELECTION GUIDE



Base

Best at 80-150 mm depth

| | BASE | BASE ULTRA |
|----------------|---------------------------------|--|
| SUPPLY VOLTAGE | 12 VDC | 12 VDC 24 VDC |
| POWER | 0.96 W 0.72 W | 1.08 W |
| LUMEN OUTPUT | 150 LM | 188 LM 186 LM |
| CC DISTANCE | 150 MM | 150 MM 200 MM |
| QUANTITY | 12 vdc chain 24 vdc bag box | 20 100 1400 20 100 2000 40 80 2000 |

RGB

Best at 50-125 mm depth

| | RGB-1 | RGB | RGBW | RGBW SPI |
|----------------|-----------------|----------------|--------|----------|
| SUPPLY VOLTAGE | 12 VDC | 12 VDC | 12 VDC | 12 VDC |
| POWER | 0.72 W | 0.72 W | 0.72 W | 0.96 W |
| LUMEN OUTPUT | 27 LM | 29 LM | 49 LM | 49 LM |
| CC DISTANCE | 120 MM | 200 MM | 200 MM | 200 MM |
| QUANTITY | 20 100 1000 | 20 100 600 | | |

Mini HE

Best at 20-60 mm depth

| DEPTH | 20 | 30 | 40 | 50 | 60 |
|-------|----|----|----|----|----|
| 40 | 30 | 50 | 70 | 85 | 85 |
| 60 | 30 | 45 | 60 | 85 | 85 |
| 80 | | 40 | 60 | 85 | 85 |
| 100 | | | 40 | 60 | 85 |

Mini

Best at 20-60 mm depth

| DEPTH | 20 | 30 | 40 | 50 | 60 |
|-------|----|----|----|----|----|
| 20 | 40 | 50 | 70 | 85 | 85 |
| 40 | 30 | 50 | 70 | 85 | 85 |
| 60 | 30 | 45 | 60 | 85 | 85 |
| 80 | | 40 | 60 | 85 | 85 |
| 100 | | | 40 | 60 | 85 |

CHALLENGER

Best at 30-300 mm depth

| | CHALLENGER 0 | CHALLENGER 1 | CHALLENGER 2 | CHALLENGER 3 | CHALLENGER 4 |
|----------------|-----------------|-----------------|----------------|----------------|----------------|
| SUPPLY VOLTAGE | 12 VDC | 24 VDC | 12 VDC | 24 VDC | 12 VDC |
| POWER | 0.35 W | 0.2 W | 0.75 W | 0.5 W | 1.0 W |
| LUMEN OUTPUT | 47 LM | 28 LM | 92 LM | 62 LM | 119 LM |
| CC DISTANCE | 130 MM | 80 MM | 200 MM | 140 MM | 240 MM |
| QUANTITY | 30 210 1470 | 38 152 1064 | 35 140 980 | 24 120 840 | 20 100 700 |

NEPTUN

Best at 40-150 mm depth

| | NEPTUN 3 | NEPTUN 4 |
|----------------|-----------------|---|
| SUPPLY VOLTAGE | 24 VDC | 24 VDC 48 VDC |
| POWER | 0.36 W | 0.36 W, 0.72 W 0.72 W |
| LUMEN OUTPUT | 54 LM | 61 LM, 122 LM 122 LM |
| CC DISTANCE | 150 MM | 150 MM |
| QUANTITY | 50 100 1000 | 80 80 640 60 60 660 100 100 700 |

CHALLENGER

Best at 30-300 mm depth

| DEPTH | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 250 | 300 | |
|--------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CHALLENGER 0 | 40 | 60 | 90 | 110 | 120 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | | | | | | | |
| CHALLENGER 1 | | 90 | 120 | 140 | 160 | 180 | 190 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | | | | | | | |
| CHALLENGER 2 | | | 160 | 180 | 190 | 200 | 210 | 220 | 240 | 240 | 240 | 240 | 240 | | | | | | | | |
| CHALLENGER 3 | | | | 200 | 220 | 240 | 260 | 280 | 320 | 340 | 340 | 340 | 340 | | | | | | | | |
| CHALLENGER 4 | | | | | 250 | 280 | 300 | 320 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 |

CHALLENGER

Best at 30-160 mm depth

NEPTUN

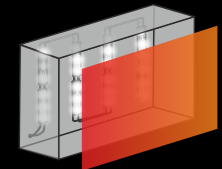
Best at 40-100 mm depth

NEPTUN

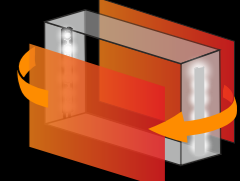
Best at 60-150 mm depth

BACKLIGHTING & EDGELIGHTING SOLUTIONS FOR LIGHTBOXES

QUICK SELECTION GUIDE



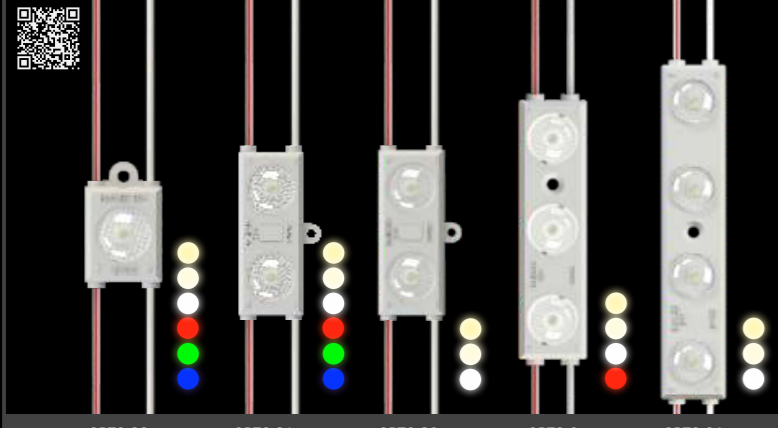
SINGLE-
sided lightboxes



DOUBLE-
sided lightboxes

ECONOMY
VALUE
PERFORMANCE
VALUE

Opto S+



Best at 40-90, 80-140, 80-150, 120-200, 130-300 mm depth


Best at 40-300 depth

| | OPTO S0+ | OPTO S1+ | OPTO S2+ | OPTO S3+ | OPTO S4+ |
|----------------------------|-----------------|---------------|---------------|----------------|---------------|
| SUPPLY VOLTAGE | 12 VDC | 12 VDC | 24 VDC | 12 VDC | 24 VDC |
| POWER | 0.5 W | 1.0 W | 1.0 W | 1.45 W | 1.8 W |
| LUMEN OUTPUT | 63 LM | 122 LM | 160 LM | 180 LM | 299 LM |
| CC DISTANCE | 170 MM | 250 MM | 300 MM | 350 MM | 400 MM |
| QUANTITY chain bag box | 60 120 1200 | 35 70 560 | 45 90 720 | 35 105 525 | 40 80 400 |

Centre-to-centre distance*, mm

| DEPTH | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 220 | 250 | 280 | 300 | |
|----------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| OPTO S0+ | 80 | 100 | 120 | 140 | 160 | 170 | | | | | | | | | | | | | | | | |
| OPTO S1+ | | 160 | 180 | 200 | 210 | 230 | 250 | 250 | | | | | | | | | | | | | | |
| OPTO S2+ | | | 150 | 170 | 190 | 200 | 210 | 250 | 290 | 300 | | | | | | | | | | | | |
| OPTO S3+ | | | | | | 240 | 260 | 260 | 270 | 270 | 300 | 310 | 330 | 350 | | | | | | | | |
| OPTO S4+ | | | | | | | 350 | 350 | 360 | 360 | 370 | 370 | 380 | 380 | 390 | 390 | 400 | 400 | | | | |

Duo W | RGB




Best at 80-160, 140-250, 140-250 mm depth

Best at 75-200, 80-160, 140-250, 140-250 depth

| | DUO RGB | DUO W1 | DUO W2 | DUO W3 |
|----------------------------|---------------|---------------|---------------|---------------|
| SUPPLY VOLTAGE | 12 VDC | 12 VDC | 24 VDC | 24 VDC |
| POWER | 1.5 W | 1.4 W | 2.0 W | 3.6 W |
| LUMEN OUTPUT | 70 LM | 130 LM | 250 LM | 300 LM |
| CC DISTANCE | 100 MM | 150 MM | 150 MM | 330 MM |
| QUANTITY chain bag box | 20 80 640 | 30 90 630 | 40 40 200 | 10 20 160 |

Raptor



Best at 40-140, 90-180, 90-180, 140-220, 150-300, 150-300, 150-300 mm depth

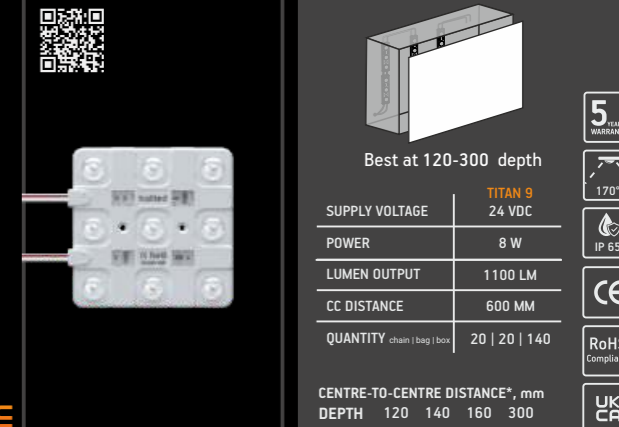
Best at 30-300 depth

| | RAPTOR 1 | RAPTOR 2 | RAPTOR 2 HE | RAPTOR 2 TW | RAPTOR 3 | RAPTOR 4/4S | RAPTOR 4 HE | RAPTOR 4 TW |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| SUPPLY VOLTAGE | 12 VDC | 24 VDC | 24 VDC | 24 VDC | 24 VDC | 24 VDC | 24 VDC | 24 VDC |
| POWER | 1.0 W | 1.0 W | 1.4 W | 0.72 W | 1.4 W | 1.8 W | 2.2 W | 1.44 W |
| LUMEN OUTPUT | 120 LM | 110 LM | 168 LM | 168 LM | 161 LM (TW) | 209 LM | 269 LM | 236 LM |
| CC DISTANCE | 200 MM | 250 MM | 300 MM | 250 MM | 300 MM | 350 MM | 400 MM | 350 MM |
| QUANTITY chain bag box | 40 80 800 | 80 80 800 | 60 60 720 | 50 50 700 | 60 60 720 | 50 50 450 | 40 40 400 | 30 30 390 |

Centre-to-centre distance*, mm

| DEPTH | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 220 | 250 | 300 | |
|-----------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| RAPTOR 1 | 80 | 110 | 140 | 170 | 200 | 200 | 200 | 200 | 200 | 200 | | | | | | | | | | | |
| RAPTOR 2 2 TW | | | | | | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | | | | | | | |
| RAPTOR 3 | | | | | | | | | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | | | | |
| RAPTOR 4 4 TW | | | | | | | | | | | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | | |

Titan



Best at 120-300 depth

| | TITAN 9 |
|----------------------------|---------------|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 8 W |
| LUMEN OUTPUT | 1100 LM |
| CC DISTANCE | 600 MM |
| QUANTITY chain bag box | 20 20 140 |

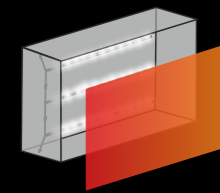
Centre-to-centre distance*, mm

| DEPTH | 120 | 140 | 160 | 300 |
|---------|-----|-----|-----|-----|
| TITAN 9 | 420 | 500 | 600 | 600 |

LED BARS FOR SIGNAGE ILLUMINATION

QUICK SELECTION GUIDE

DEPTH (mm)



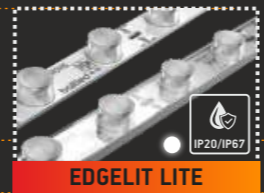
SINGLE-
sided lightboxes



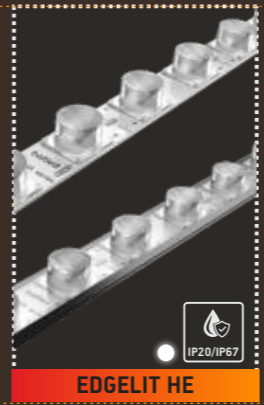
BACKLIT FLEX | HE



BACKLIT TW



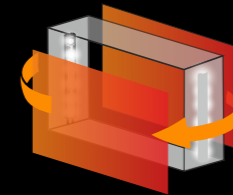
EDGELIT LITE



EDGELIT HE



EDGELIT SLIM



DOUBLE-
sided lightboxes



ACCENT LIGHTING
for signage & architecture



WALLWASHER (classic | flex | 3D)

VALUE

PERFORMANCE

ECONOMY

VALUE

PERFORMANCE

BackLit He



Best at 50-80 depth

BACKLIT HE BAR

| | |
|-----------------------|---|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 10 W 3.7 W |
| LUMEN OUTPUT | 1506 LM 583 LM |
| LENGTH CUTTING STEP | 10 W IP20 960 MM 160 MM IP67 970 MM 160 MM 3.7 W IP20 480 MM 160 MM IP67 490 MM 160 MM |
| QUANTITY per box | 10 W 200 3.7 W 400 |

BackLit TW (tunable white)

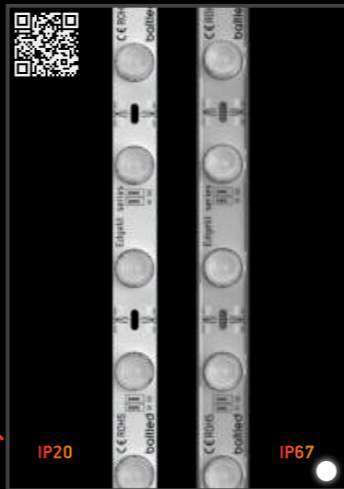


Best at 50-80 depth

BACKLIT TW BAR

| | |
|-----------------------|--|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 20 W |
| LUMEN OUTPUT | 1656-1780 LM |
| LENGTH CUTTING STEP | IP20 960 MM 160 MM IP67 970 MM 160 MM |
| QUANTITY per box | 200 |

Edgelit Lite

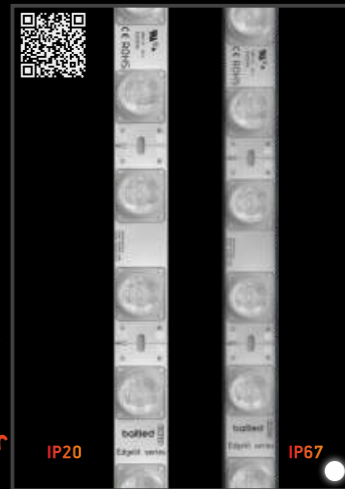


Best at 80-150 depth

EDGELIT LITE BAR

| | |
|------------------|--------------------------|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 18 W |
| LUMEN OUTPUT | 2448 LM |
| LENGTH | IP20 960 MM IP67 965MM |
| QUANTITY per box | 40 |

Edgelit He



Best at 100-250 depth

EDGELIT HE BAR

| | |
|------------------|---|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 6 W 10 W 20 W |
| LUMEN OUTPUT | 900 LM 1500 LM 3000 LM |
| LENGTH | IP20 265MM 465MM 965MM IP67 300MM 500MM 1000MM |
| QUANTITY per box | 120 80 40 |

BackLit Flex



Best at 50-80 depth

BACKLIT FLEX BAR

| | |
|-----------------------|-----------------|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 12 W/m |
| LUMEN OUTPUT | 1568 LM |
| LENGTH CUTTING STEP | 5000 MM 40 MM |
| LENGTH per box, M | 200 |

Edgelit Slim

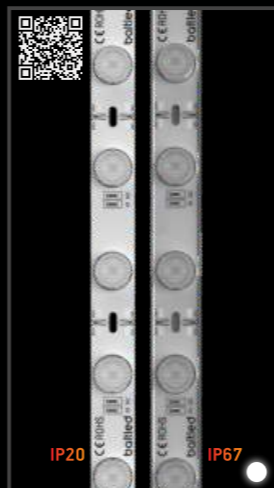


Best at 40-80 depth

EDGELIT SLIM

| | |
|------------------|---------------------------|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 12.2 W |
| LUMEN OUTPUT | 1500 LM |
| LENGTH | IP20 330 MM IP67 345 MM |
| QUANTITY per box | IP20 80 IP67 40 |

Wallwasher Classic



Best for signage and architecture

WALLWASHER RIGID

| | |
|------------------|---------------------------|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 18 W |
| LUMEN OUTPUT | 2542 LM |
| LENGTH | IP20 960 MM IP67 965 MM |
| QUANTITY per box | 40 |

Wallwasher Flex



Best for signage and architecture

EDGELIT WALLWASHER FLEX

| | |
|------------------|--------|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 20 W |
| LUMEN OUTPUT | 2450LM |
| LENGTH | 1100MM |
| QUANTITY per box | 40 |

Wallwasher 3D



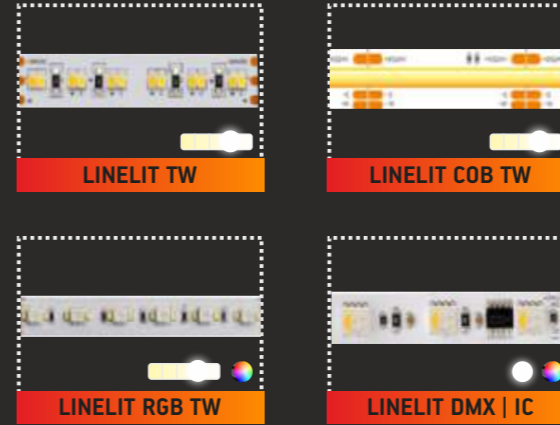
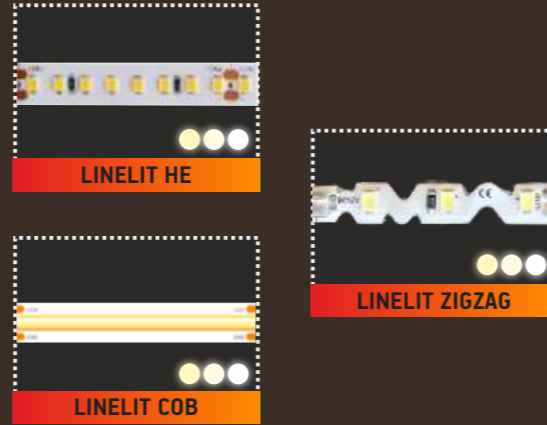
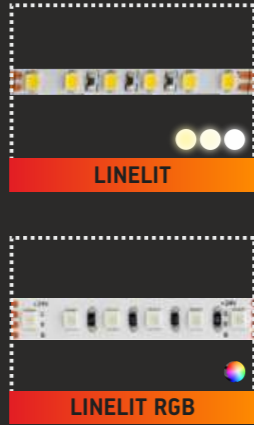
Best for signage and architecture

EDGELIT WALLWASHER 3D

| | |
|------------------|--------|
| SUPPLY VOLTAGE | 24 VDC |
| POWER | 24 W |
| LUMEN OUTPUT | 2620LM |
| LENGTH | 1000MM |
| QUANTITY per box | 40 |

LED STRIPS FOR ACCENT LIGHTING

QUICK SELECTION GUIDE



ECONOMY

VALUE

PERFORMANCE

Linelit

| | 120 LEDs | 140 LEDs | 224 LEDs |
|-------------------|---------------------|-----------|-----------|
| CUTTING STEP, MM | 50 | 50 | 35.7 |
| POWER / M | 9.6 | 20 | 22.4 |
| COLOUR | ● | ●●●● | ●●●● |
| IP CLASS | IP20 | IP20/IP65 | IP20/IP65 |
| LENGTH per box, M | IP20 250 IP65 100 | | |
| VOLTAGE | 24 VDC | | |

3 YEARS WARRANTY | 120° | IP20 | IP65 | CE | RoHS Compliant | UK CA

Linelit HE

| | 128 LEDs | 180 LEDs |
|-------------------|---------------------|----------|
| CUTTING STEP, MM | 62.5 | 50 |
| POWER / M | 9.6 14.4 | 8 |
| COLOUR | ●●●● | |
| IP CLASS | IP20/IP65 | |
| LENGTH per box, M | IP20 250 IP65 100 | |
| VOLTAGE | 24 VDC | |

3 YEARS WARRANTY | 120° | IP20 | IP65 | CE | RoHS Compliant | UK CA

Linelit Zigzag

| | 72 LEDs |
|-------------------|---------|
| CUTTING STEP, MM | 41.6 |
| POWER / M | 7.2 |
| COLOUR | ●●●● |
| IP CLASS | IP20 |
| LENGTH per box, M | 250 |
| VOLTAGE | 12 VDC |

5 YEARS WARRANTY | 120° | IP20 | CE | RoHS Compliant | UK CA

Linelit TW

| | 120 LEDs | 240 LEDs |
|-------------------|---------------------|------------------|
| CUTTING STEP, MM | 50 | 50 |
| POWER / M | 8+8 | 19.2 12.5+12.5 |
| COLOUR | ● | ● |
| IP CLASS | IP20/IP65 | |
| LENGTH per box, M | IP20 250 IP65 100 | |
| VOLTAGE | 24 VDC | |

3 YEARS WARRANTY | 120° | IP20 | IP65 | CE | RoHS Compliant | UK CA

Linelit COB TW

| | 608 LEDs |
|-------------------|-------------|
| CUTTING STEP, MM | 26.3 |
| POWER / M | 7.2 |
| COLOUR | ● |
| IP CLASS | IP20 IP65 |
| LENGTH per box, M | 250 |
| VOLTAGE | 24 VDC |

3 YEARS WARRANTY | 120° | IP20 | IP65 | CE | RoHS Compliant | UK CA

Neonflex 360°

| | 120 LEDs |
|-------------------|------------------------|
| CUTTING STEP, MM | 50 |
| DIAMETER, MM | ø13 ø20 ø22 ø25 |
| POWER / M | 7.2 12 14.4 14.4 |
| COLOUR | ●●●●●●●● |
| LENGTH per box, M | 100 |
| VOLTAGE | 24 VDC |

3 YEARS WARRANTY | 120° | IP67 | CE | RoHS Compliant | UK CA

Linelit RGB

| | 60 LEDs | 120 LEDs |
|-------------------|---------------------|----------|
| CUTTING STEP, MM | 100 | 50 |
| POWER / M | 14.4 | 14.4 |
| COLOUR | ●●●●●● | |
| IP CLASS | IP20/IP65 | |
| LENGTH per box, M | IP20 250 IP65 100 | |
| VOLTAGE | 24 VDC | |

3 YEARS WARRANTY | 120° | IP20 | IP65 | CE | RoHS Compliant | UK CA

Linelit COB

| | 320 LEDs | 480 LEDs | 528 LEDs |
|-------------------|---------------------|----------|----------|
| CUTTING STEP, MM | 100 50 25 | 50 | 45.5 |
| POWER / M | 8 | 10 | 10 15 |
| COLOUR | ●●●●●● | | |
| IP CLASS | IP20/IP65 | | |
| LENGTH per box, M | IP20 250 IP65 100 | | |
| VOLTAGE | 24 VDC | | |

3 YEARS WARRANTY | 120° | IP20 | IP65 | CE | RoHS Compliant | UK CA

Linelit RGB TW

| | 60 LEDs | 180 LEDs |
|-------------------|----------------------------------|----------|
| CUTTING STEP, MM | 100 | 100 |
| POWER / M | 13.6 | 24 |
| COLOUR | ●●●●●● | |
| IP CLASS | IP20/IP65 | |
| LENGTH per box, M | IP20 13.6W 150 24W 125 IP65 30 | |
| VOLTAGE | 24 VDC | |

3 YEARS WARRANTY | 120° | IP20 | IP65 | CE | RoHS Compliant | UK CA

Linelit DMX | IC

| | DMX 60 LEDs | IC 60 LEDs | IC 84 LEDs | IC 60 LEDs |
|-------------------|--------------------|------------|------------|------------|
| CUTTING STEP, MM | 100 | 100 | 71.4 | 50 |
| POWER / M | 19.2 | 16.3 | 16 | 9 |
| COLOUR | ●●●●●● | ●●●●●● | ●●●●●● | ●●●●●● |
| IP CLASS | IP20/IP65 | IP20/IP65 | IP20 | IP33 |
| LENGTH per box, M | IP20 175 IP65 75 | | | 300 |
| VOLTAGE | 24 VDC | | | 12 VDC |

3 YEARS WARRANTY | 120° | IP20 | IP65 | CE | RoHS Compliant | UK CA

Neonflex 3D

| | 120 LEDs |
|----------------------|----------|
| CUTTING STEP, MM | 50 |
| DIMENSIONS (WxH), MM | 16 x 18 |
| POWER / M | 12 |
| COLOUR | ●●●●●●●● |
| LENGTH per box, M | 50 |
| VOLTAGE | 24 VDC |

3 YEARS WARRANTY | 120° | IP67 | CE | RoHS Compliant | UK CA

POWER MANAGEMENT SOLUTIONS

QUICK SELECTION GUIDE

ALL ASSORTMENT



150W
100W
12V|24V
60W
36W
9W
12V

SIGNBRIDGE OUTDOOR



ECONOMY

24V 200W
150W
100W
75W
36W
12V|24V

SIGNBRIDGE PLUS INDOOR



12V|24V 300W
12V|24V 200W
12V|24V 150W
12V|24V 100W
12V|24V 250W
24V 75W
12V 60W
24V 50W
12V 40W
24V 25W
12V 20W
12V|24V 150W
12V|24V 100W
12V|24V 60W
12V|24V 40W

SIGNBRIDGE PLUS OUTDOOR



VALUE

200W
150W
100W
75W
60W
36W
12V|24V

SIGNBRIDGE PLUS SLIM



12V 200W
12V|24V|48V 150W
100W
75W
36W
12V|24V

SIGNBRIDGE PLUS PWM



PERFORMANCE

200W
100W
12V|24V

SMARTBRIDGE



SMARTBRIDGE

WI-FI & BLUETOOTH DIMMABLE LED DRIVERS

100W 12|24V

200W 12|24V

GOES PERFECT WITH

TUNABLE WHITE RAPTORS

TUNABLE WHITE BACKLIT BARS

TUNABLE COLOUR LED STRIPS

POWER MANAGEMENT SOLUTIONS

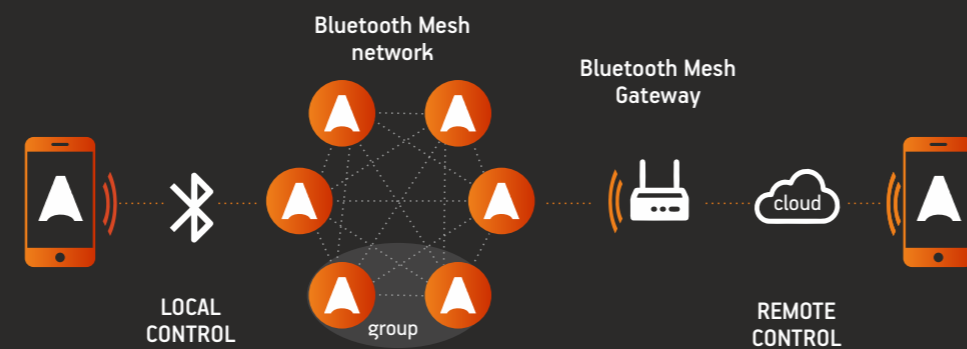
SMARTBRIDGE: WI-FI & BLUETOOTH DIMMABLE LED DRIVERS

SMARTBRIDGE ASSORTMENT



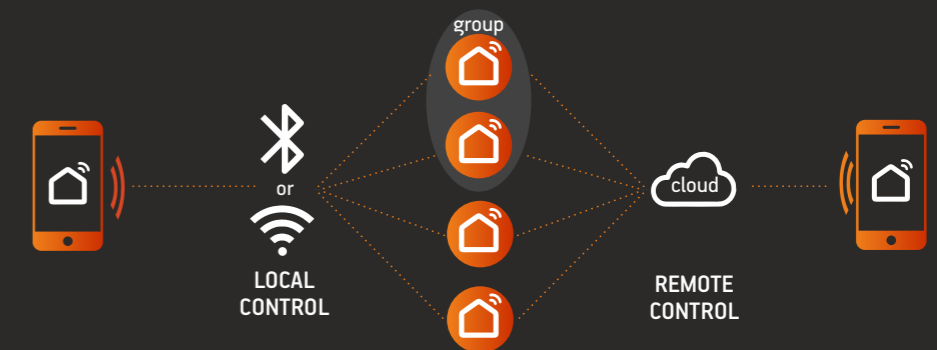
CONTROL WITH CASAMBI

Finland-developed, specialized lighting control platform designed for projects where multiple power supplies need to operate as one system. It uses a local Bluetooth IoT Mesh network, allowing devices to connect with each other and operate independently of the internet.



CONTROL WITH SMARTLIFE (TuYa)

China-developed control platform designed for controlling single or multiple power supplies via an app. Control is available via Bluetooth or Wi-Fi, with remote access enabled through the cloud, making the solution simple and quick to deploy.



APPLICATION

PROJECT SCALE

TYPICAL USE CASE

MOBILE CONTROL

OPERATION

CONNECTION TYPE

REMOTE CONTROL

INTER-DEVICE COMMUNICATION

GROUPING

BEHAVIOR AFTER POWER / CONNECTION LOSS

INSTALLATION & SECURITY

INSTALLATION

SECURITY PRINCIPLE

RISK OF UNAUTHORIZED ACCESS

Larger, more complex projects

Multiple locations / many signs / one sign with multiple power supplies

Casambi app

Bluetooth Mesh – local, self-contained network

Via cloud, gateway required

Power supplies communicate with each other via Bluetooth Mesh

Supported

Automatically re-synchronizes (local Bluetooth Mesh network)

Requires basic technical knowledge

Closed, local system

Practically none

Small to medium-scale projects

Single or several individual signs with a few power supplies

Smartlife app

Bluetooth / Wi-Fi

Via cloud, no gateway required

Power supplies are individually controlled via the app

Supported

May require re-synchronization via the app

Very simple

Centralized cloud platform

Managed via account permissions