PHILIPS

CoreLine Family

- Innovative
- Easy to install
- High quality

REAL PROs
REAL QUALITY

# In a state or **state-of-the-art?**

Real professionals choose **Philips CoreLine products**



**5 year** warranty

Above **50,000** hours @L70

Over **127yrs** in lighting

Over **75yrs** in NZ

**www.clubblue.co.nz**

PHILIPS

CoreLine Family

# Lower standards or **raise the bar?**

Smart Kiwi installers never say “no” to saving time and money. And with Philips CoreLine, you will never have to. Because Philips CoreLine offers a full range of LED and connected lighting solutions that keep installation time to a minimum, while saving a maximum of energy. Whether old or new – optimal lighting can transform a building into something truly special and turn it into a place where people enjoy working and living. Give your customers that “wow” moment with Philips CoreLine: the complete range of high quality LED and connected lighting that’s setting the reference in the market. **Because when light really matters, you don’t want to take a chance.**

# CoreLine. **The complete range.**



CoreLine **Highbay IP65**



CoreLine **Highbay IP40**



CoreLine **Downlight**



CoreLine **Troffer**



CoreLine **Panel**

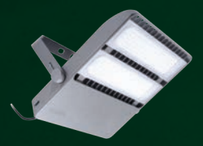


CoreLine **Batten**

COMING SOON



CoreLine **Waterproof**



CoreLine **Tango Floodlight**



REAL PROs REAL QUALITY

# Innovative

With **Philips CoreLine** you get much more than high quality and easy-to-install lighting solutions – you get LED lighting that’s setting **the reference** in the industry. That’s why CoreLine luminaires are the first Interact Ready LED luminaires and work seamlessly with the **intuitive Interact Pro app and dashboard.** It has never been easier to bring the power of connected lighting to small and medium-sized enterprises.

# Easy-to-install

The efficient design of the CoreLine fixtures enables replacement of existing lights, with **no need for expensive re-wiring or new ceiling configurations**.

# High quality

At the heart of CoreLine’s **high-quality light** is LED technology. Lasting up to 50,000 hours @ L70, its **long lifetime** enables you to meet every demand and provide the best lighting solution for every costumer.



**5** year warranty

Above **50,000** hours @L70

Up to **140** lm/w

**Trade Projects**

# Lighting New Zealand for **over 75 years**

The Philips brand stands for quality and energy-efficiency in light. For over 127 years, Philips products have been at the forefront of innovation. As the world's leader in Lighting, Philips is driving the switch to energy efficient and connected lighting solutions.

That same principle has been at work here in **New Zealand for over 75 years,** with thousands of lighting solutions across every sector.

Today, **Philips lighting** is an integral part of the Kiwi landscape. And just as that landscape is forever changing, so we'll continue to provide the cutting-edge solutions that will take New Zealand industry into the future.

## A heritage of taking light beyond illumination



**1891-2014**
Conventional



**2012**
Connected Lighting



**2018**
Lighting as a language
(Analytics, LiFi)

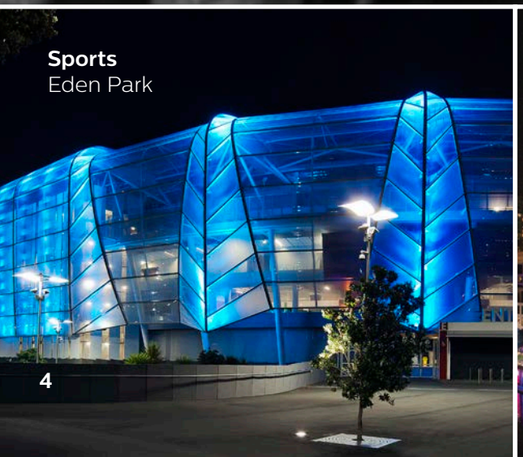
**Innovation continues**

**2008**
Introduction of LED



**2016**
IoT (systems)





**Sports**
Eden Park





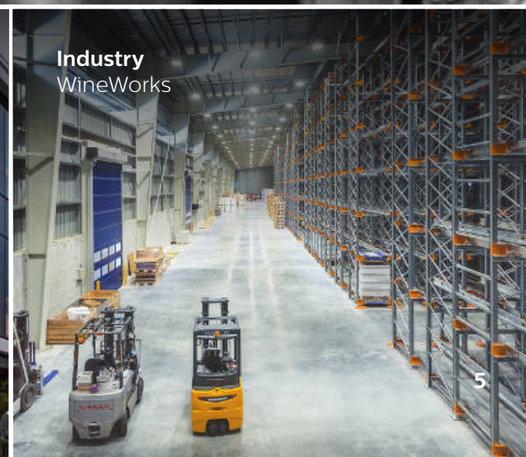
**Façade**
Viaduct Basin



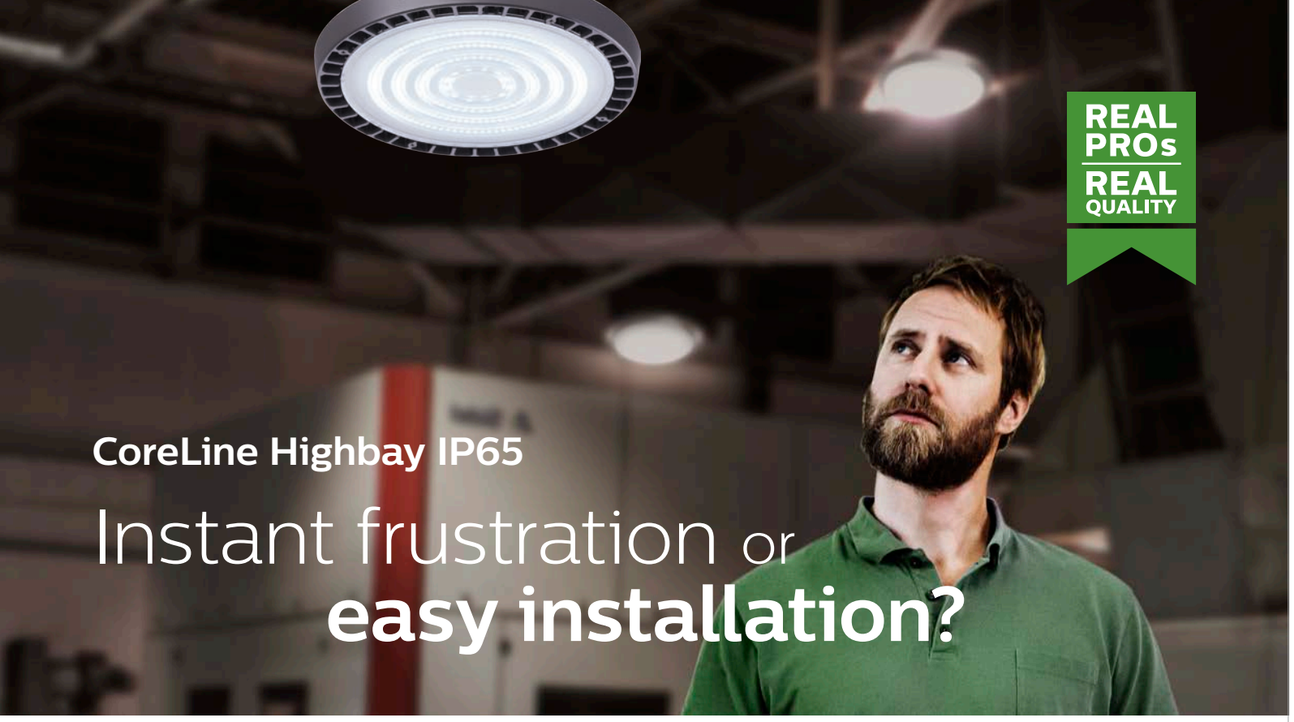
**Street Lighting**
Hamilton



**Office**
Watercare



**Industry**
WineWorks




## Real professionals count on the new **Philips CoreLine Highbay IP65.**

This is designed as a replacement for conventional HPI 250 or 400W metal halide luminaires. It comes complete with a flex and plug and single point suspension, making connection quick and easy to install. The Highbay also features a new round dedicated optic, providing a softer more natural light.

### Key Features and Benefits

- Strong energy saving credientials – system efficacy @135lm/W
- Round exit window design - for easy alignment when installing multiple highbays in a row
- Excellent glare control for narrow beam with an additional reflector
- High quality aluminium die cast heatsink ensuring a long life in harsh environments






### Applications

- Warehouses
- Distribution centres
- General manufacturing areas
- Exhibition halls
- High ceiling applications

50,000 hours @L70 | Up to 135 lm/w | IP65 | IK08 | 5 year warranty

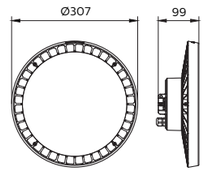


## Simple installation and different mounting options

Installing the new CoreLine highbay IP65 is as simple as ever and can be done three ways: hook mounting, pipe mounting and bracket mounting.

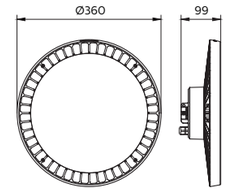
## Dimensions

**LED 155**



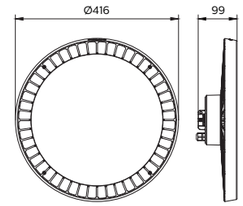

wt. 2.5 KGS

**LED 205**




wt. 3.2 KGS

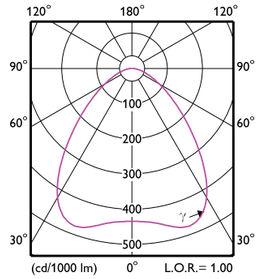
**LED 265**



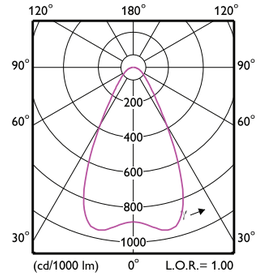

wt. 4.0 KGS

Dimensions shown above are nominal measurement. Slight variation in dimension may occur in producton.

## Polar intensity




**Wide Beam**




**Narrow Beam (available on request)**

## Order codes for the CoreLine Highbay IP65

| Specification | Part Number | Shortcode |
|---|---|---|
| 115W, 15500lm, 4000K | 911401518661 BY698P LED155/840 PSU WB CAU G2 CL | BY698P1584PWF |
| 115W, 15500lm, 5000K | 911401518961 BY698P LED155/850 PSU WB CAU G2 CL | BY698P1684PN3 |
| 149W, 20500lm, 4000K | 911401518761 BY698P LED205/840 PSU WB CAU G2 CL | BY698P2084PWF |
| 149W, 20500lm, 5000K | 911401519061 BY698P LED205/850 PSU WB CAU G2 CL | BY698P2084DN3 |
| 192W, 26500lm, 4000K | 911401518861 BY698P LED265/840 PSU WB CAU G2 CL | BY698P2084PIRN3 |
| 192W, 26500lm, 5000K | 911401519161 BY698P LED265/850 PSU WB CAU G2 CL | BY698P2084PIRW3 |

*Note: All the above options come with 3M Flex & Plug and a wide beam distribution. Other options available on request.

## Accessories

| Specification | Part Number | Shortcode |
|---|---|---|
| Mounting Bracket | 911401523461 BY698Z PSU MB G2 | |
| Spare Hook | 911401565101 MOUNTING HOOK_RR | |




## CoreLine Highbay IP40

# Low achiever or **high performer?**

## Real professionals count on the new **Philips CoreLine Highbay IP40.**

This replaces traditional Philips 400W metal halide and T5 highbays.

The IP40 Coreline Highbay has an attractive high quality design with an assortment of different optics including a high rack option. With advanced options, such as a ZigBee Actilume wireless control system, system energy saving can reach up to 88% when compared to traditional high bay luminaires.

### Key Features and Benefits

- System efficacy of up to 140lm/W offers up to 73% energy saving compared to traditional HID systems
- Three different distributions to precisely illuminate space efficiently
- Robust aluminium extrusion body and quality Xitanium drivers ensuring luminaire longevity



### Applications

- Warehouses
- Distribution centres
- General high ceiling applications
- Factories
- Production lines
- Large format retail stores

65,000 hours @L70 | Up to 140 lm/w | IP40 | IK03 | 5 year warranty

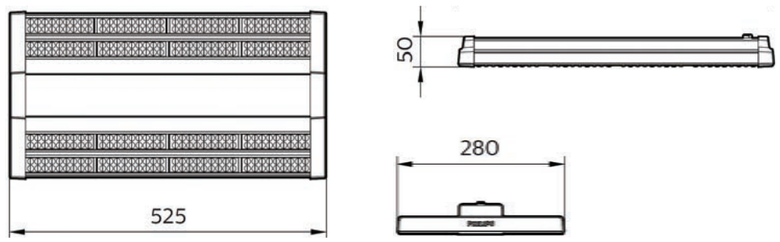


### Simple installation

Installing the new CoreLine Highbay IP40 is as simple as ever, using the standard A frame hangers, providing a self leveling two point installation.

### Dimensions

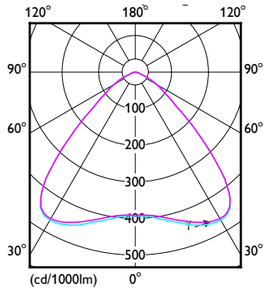
**CoreLine IP40**



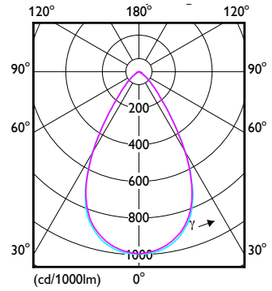

wt. 3.5 KGS

Dimensions show above are nominal measurement. Slight variation in dimension may occur in production.

### Polar intensity




**Wide Beam**

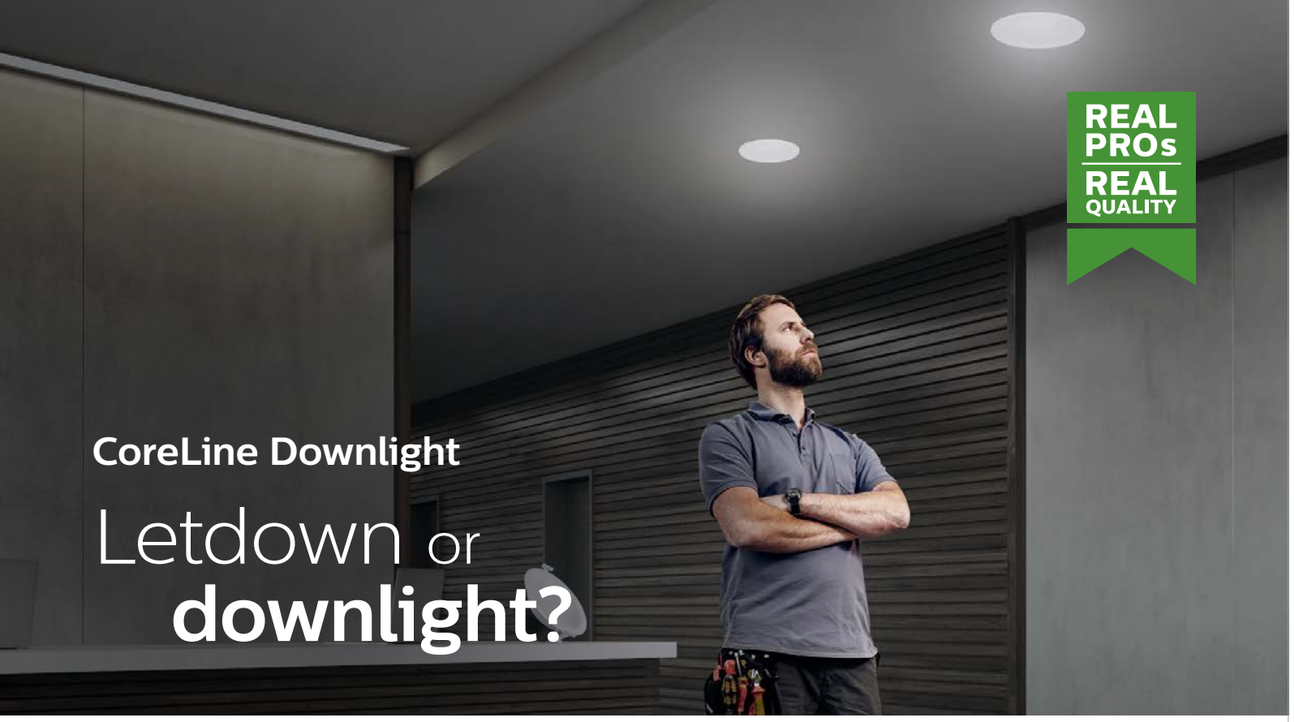



**Narrow Beam**

### Order codes for the CoreLine Highbay IP40

| Specification | Part Number | Shortcode |
|---|---|---|
| 153W, 21000lm, 4000K | 911401540661 BY560P LED210/NW PSU WB CAU CL | BY560P21084PWF |
| 153W, 21000lm, 6500K | 911401540761 BY560P LED210/NW PSU WB CAU CL | BY560P21086PWF |

*Note: All the above options come with 3M Flex & Plug and a wide beam distribution.Other options available on request




## Real professionals count on the new **Philips CoreLine Downlight.**

This commercial LED downlight range combines light efficiency and comfort making it a perfect replacement for traditional compact fluorescent downlights.

The Coreline Downlight is available in a wide range of lumen packages, sizes and two IP ratings to suit all applications.

### Key Features and Benefits

- Standard, simple cut-out and spring-clip mount, with flex and plug for quick and easy installation
- IP20 or IP54, ensuring suitability for most environments
- Two reflectors; high gloss white or aluminium
- Multiple lumen outputs providing design flexibility
- Options available for Interact Pro connected lighting system



### Applications

- Offices
- Meeting rooms
- Shopping malls
- Hotels

50,000 hours @L70 | Up to 110 lm/w | 5 year warranty | interact ready.

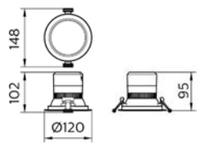


### Simple installation

Installing the new Coreline Downlight is as simple as ever. Standard spring clip installation, three cut out sizes, 100,150 and 200mm. Fitting comes complete with flex and plug..

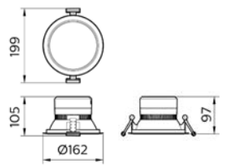
### Dimensions

**DN390**



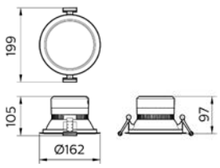

wt. 0.21KG
Cutout: 100mm

**DN391**



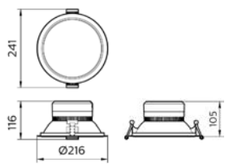

wt. 0.66KG
Cutout 150mm

**DN392**




wt. 0.66KG
Cutout: 150mm

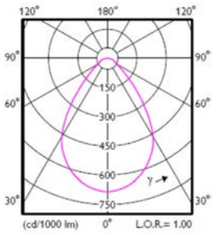
**DN392/DN393**



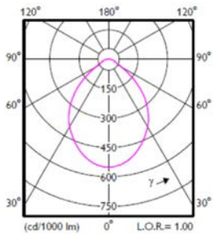

wt. 0.82KG
Cutout: 200mm

Dimensions show above are nominal measurement. Slight variation in dimension may occur in production.

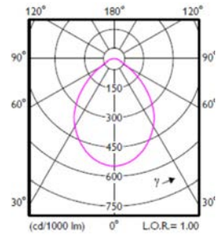
### Polar intensity



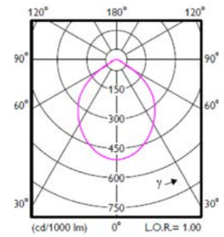

**DN390B 600lm WH D100**



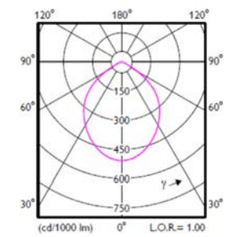

**DN391B 1100lm WH D150**




**DN392B 1600lm WH D150**




**DN392B 1600lm WH D200**




**DN393B 2200lm WH D200**

### Order codes for the CoreLine Downlight

**CoreLine Downlight**

| Specification | Part Number | | Shortcode |
|---|---|---|---|
| 6W, 600lm, 4000K, 100mm cut-out | 911401541361 | DN390B LED6/840 PSU D100 WH CAU CL | DN39B684P100WF |
| 10W, 1100lm, 4000K, 150mm cut-out | 911401541461 | DN391B LED11/840 PSU D150 WH CAU CL | DN39B1184P15WF |
| 15W, 1600lm, 4000K, 150mm cut-out | 911401542361 | DN392B LED16/840 PSU D150 WH CAU CL | DN39B1684P15WF |
| 15W, 1600lm, 4000K, IP54, 150mm cut-out | 911401542461 | DN392B LED16/840 PSU D150 WH WP CAU CL | DN39B1684P15WPF |
| 15W, 1600lm, 4000K, 200mm cut-out | 911401541561 | DN392B LED16/840 PSU D200 WH CAU CL | DN39B1684P20WF |
| 19W, 2200lm, 4000K, 200mm cut-out | 911401541661 | DN393B LED22/840 PSU D200 WH CAU CL | DN39B1684P220WF |
| 19W, 2200lm, 4000K, IP54, 200mm cut-out | 911401541761 | DN393B LED22/840 PSU D200 WH WP CAU CL | DN39B1684P22WWF |

**CoreLine Downlight Interact Ready**

| Specification | Part Number | | Shortcode |
|---|---|---|---|
| 19W,2200lm,4000K,200mm cut-out,IAR | 911401570641 | DN393B LED22/840 IAR WH CAU | DN39B1684I220WF |

*Note: All the above options come with White reflector and Flex & Plug , Other oprions available on request.




## CoreLine Troffer

# Fading light or **leading light?**

## Real professionals count on the new **Philips CoreLine Troffer.**

Designed for retro fit projects replacing traditional florescent troffer packs, this troffer features the latest in LED technology and offers high light quality and efficiency gains.

### Key Features and Benefits

- ✓ 60% more energy efficient compared to conventional troffer packs.
- ✓ Available in recessed, suspended and surface mounting options, ensuring consistent look and feel
- ✓ Slim design with overall height of less than 46mm
- ✓ Options available for Interact Pro connected lighting system



### Applications

- ✓ Offices
- ✓ Schools
- ✓ Meeting rooms
- ✓ Hallways & corridors

50,000 hours @L70 | Up to 125 lm/w | IP20 | 5 year warranty

interact ready.

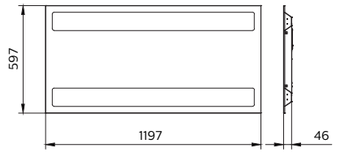


## Simple installation

The installation of the recessed troffer is quick and simple, slotting into standard T rails systems. Comes complete with flex and plug.

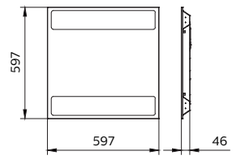
## Dimensions

**600mm x 1200mm**



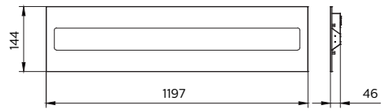

wt. 5KG

**600mm x 600mm**




wt. 2.8KG

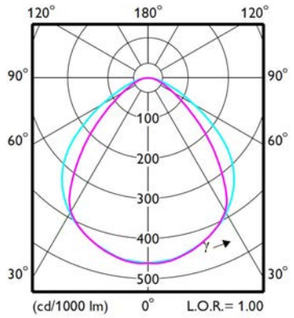
**300mm x 1200mm**



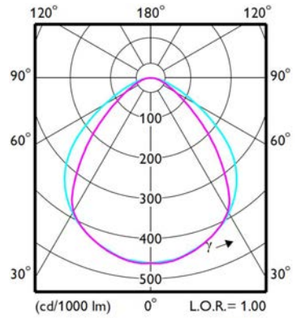

wt. 2.8KG

Dimensions show above are nominal measurement. Slight variation in dimension may occur in production.

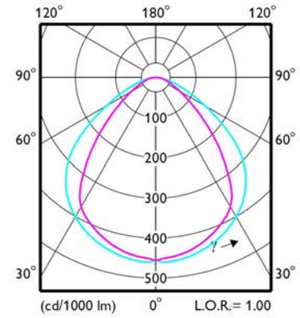
## Polar intensity




**600mm x 1200mm**




**600mm x 600mm**




**300mm x 1200mm**

## Order codes for the CoreLine Troffer

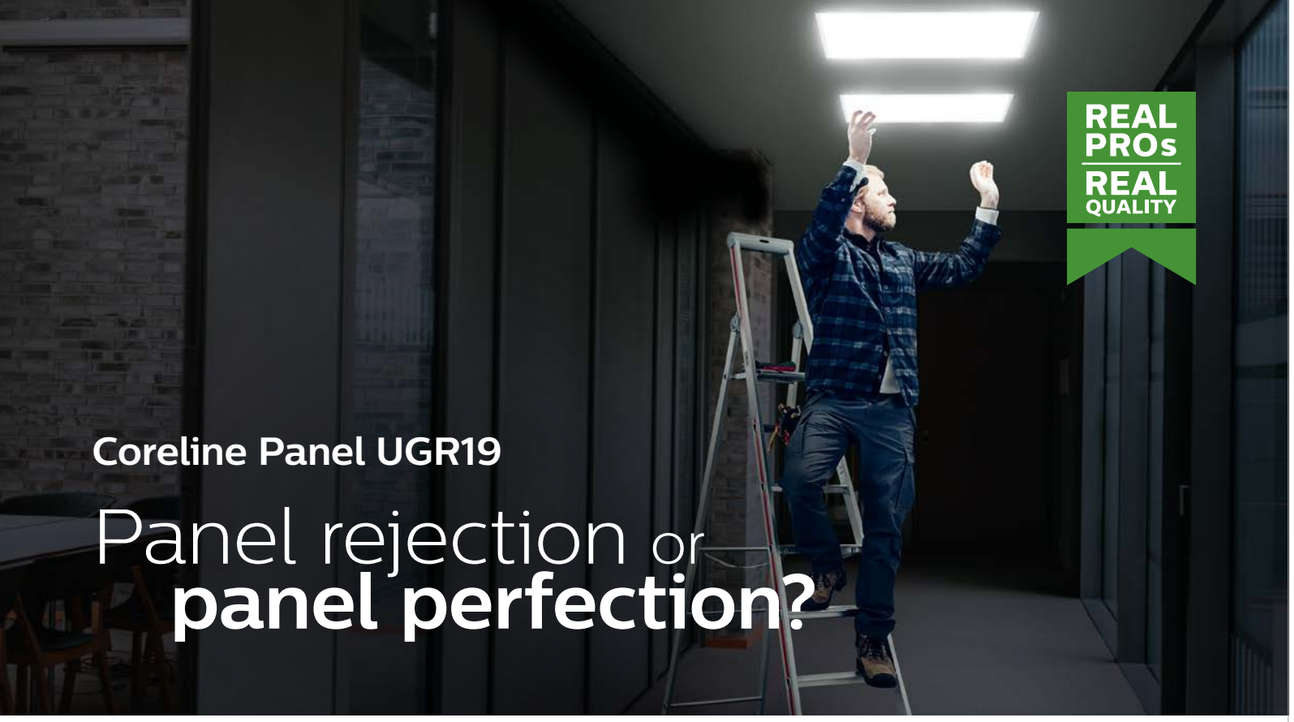
### CoreLine Troffer

| Specification | Part Number | | Shortcode |
|---|---|---|---|
| 32W,3700lm, 4000K, 1200x300 | 911401540861 | RC100B LED37S 840 W30L120 PSU CAU CL | RC10B3784312PNF |
| 32W,3700lm, 4000K,600x600 | 911401540961 | RC100B LED37S 840 W60L60 PSU CAU CL | RC10B378466PNF |
| 32W,3700lm, 4000K, 1200x600 | 911401541061 | RC100B LED37S 840 W60L120 PSU CAU CL | RC10B3784612PNF |

### CoreLine Troffer Interact Ready

| Specification | Part Number | | Shortcode |
|---|---|---|---|
| 32W, 3700lm, 4000K, 1200x300, IAR | 911401543751 | RC100X LED37S 840 W30L120 IAR CAU | RC10B378431IPNF |
| 32W, 3700lm, 4000K, 600x600, IAR | 911401543651 | RC100X LED37S 840 W60L60 IAR CAU | RC10B378466INF |
| 32W, 3700lm, 4000K, 1200x600, IAR | 911401543851 | RC100X LED37S 840 W60L120 IAR CAU | RC10B3784612INF |

*Note: All the above options come with Flex & Plug




## Coreline Panel UGR19

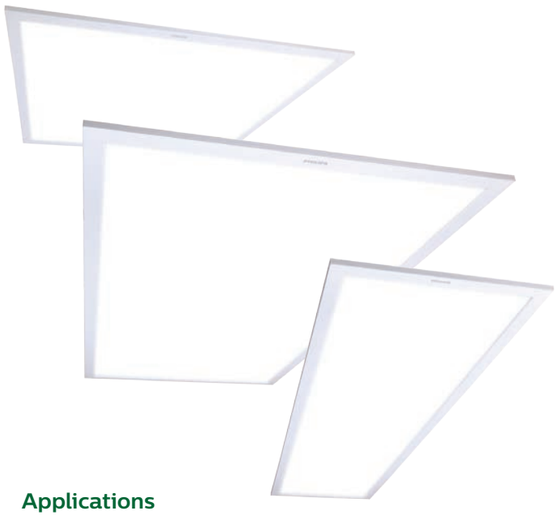
# Panel rejection or **panel perfection?**

Real professionals count on the new **Philips Coreline Panel UGR19.**

This is the slimmest panel with class leading efficiency. There are two offers featuring two lumen packages and with three sizes: 300X1200, 600x600 and 600x1200.

### Key Features and Benefits

- ✓ 60% more engergy efficient compared to conventional TL Solutions
- ✓ UGR19 office compliant
- ✓ Options available for Interact Pro connected lighting system



### Applications

- ✓ Offices
- ✓ Schools
- ✓ Meeting rooms
- ✓ Lunch rooms
- ✓ Hallways & corridors

50,000 hours @L70 | Up to 110 lm/w | IP20 | 5 year warranty

interact ready.

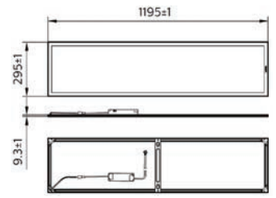


## Simple installation and different mounting options

The installation of the new Coreline UGR19 Panel is simple and flexible with three mounting options: recessed, suspended and direct mount (for applictions such as plaster ceilings).

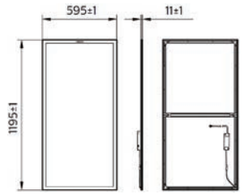
## Dimensions

**300mm x 1200mm**



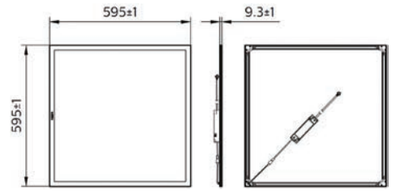

wt. 1KG

**600mm x 1200mm**




wt. 2KG

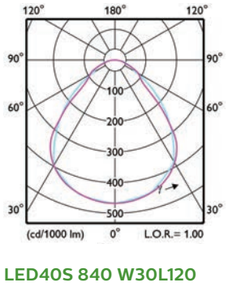
**600mm x 600mm**



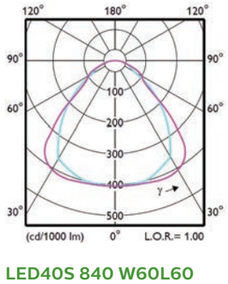

wt. 1KG

Dimensions show above are nominal measurement. Slight variation in dimension may occur in production.

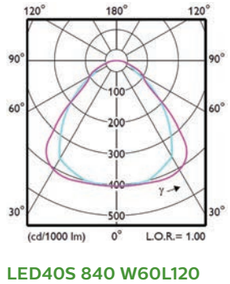
## Polar intensity



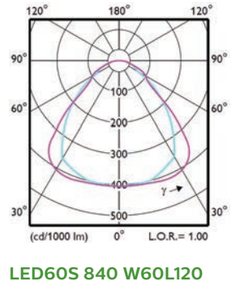

LED40S 840 W30L120




LED40S 840 W60L60




LED40S 840 W60L120




LED60S 840 W60L120

## Order codes for the Coreline Panel UGR19

### Coreline Panel UGR19

| Specification | Part Number | | Shortcode |
|---|---|---|---|
| 36W, 4000lm, 4000K, 1200X300 | 911401761042 | RC160V LED40S 840 W30L120 PSU OC CAU | RC16V484312POF |
| 36W, 4000lm, 4000K, 600X600 | 911401761052 | RC160V LED40S 840 W60L60 PSU OC CAU | RC16V48466POF |
| 36W, 4000lm, 4000K, 1200X600 | 911401761062 | RC160V LED40S 840 W60L120 PSU OC CAU | RC16V484612POF |
| 55W, 6000lm, 4000K, 1200X600 | 911401761072 | RC160V LED60S 840 W60L120 PSU OC CAU | RC16V684612POF |

### Coreline Panel UGR19 Inteact Ready

| Specification | Part Number | | Shortcode |
|---|---|---|---|
| 36W, 4000lm, 4000K, 1200X300, IAR | 911401755052 | RC160X LED40S 840 W30L120 IAP OC CAU | RC16V484312IOF |
| 36W, 4000lm, 4000K, 600X600, IAR | 911401755032 | RC160X LED40S 840 W60L60 IAP OC CAU | RC16V48466IOF |
| 36W, 4000lm, 4000K, 1200X600, IAR | 911401767682 | RC160X LED40S 840 W60L120 IAP OC CAU | RC16V84612IOF |

*Note: All the above options come with Flex & Plug

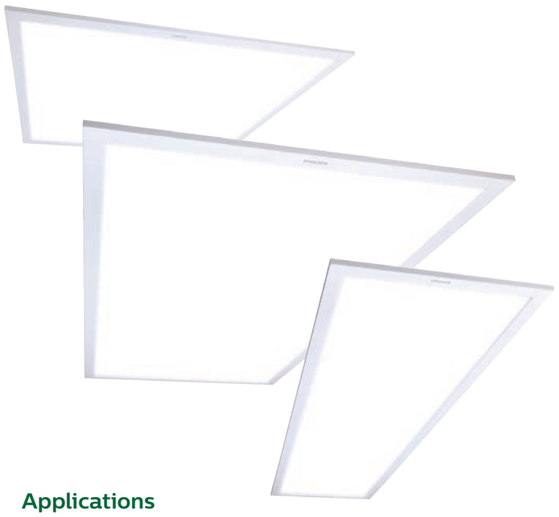



## Real professionals count on the new **Philips CoreLine Panel.**

This functional, edge-lit LED panel is ideal for general lighting applications. The superior light fitting delivers high efficacy, and uniform light output in an economical package.

### Key Features and Benefits

- ✓ Energy efficient edge lit panel
- ✓ Comfortable light with minimal glare



### Applications

- ✓ Offices
- ✓ Meeting rooms
- ✓ Lunch rooms
- ✓ Hallways & corridors

**50,000** hours @L70 | Up to **100** lm/w | **IP20** | **5** year warranty

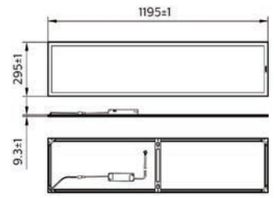


### Simple installation and different mounting options

The installation of the new Coreline Panel is simple and flexible with three mounting options: recessed, suspended and direct mount (for applictions such as plaster ceilings)..

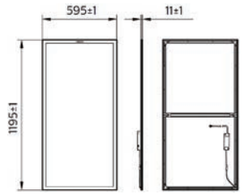
### Dimensions

**300mm x 1200mm**



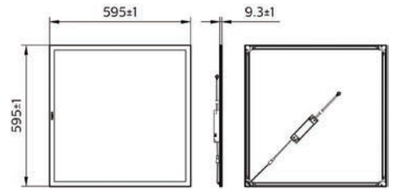

wt. 1KG

**600mm x 1200mm**




wt. 2KG

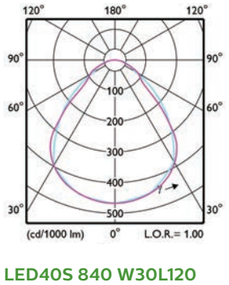
**600mm x 600mm**



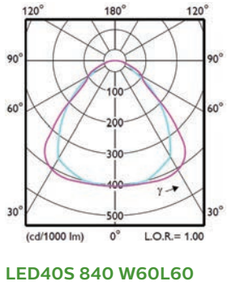

wt. 1KG

Dimensions shown above are nominal measurement. Slight variation in dimension may occur in production.

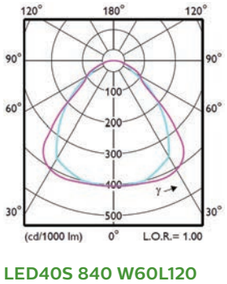
### Polar intensity



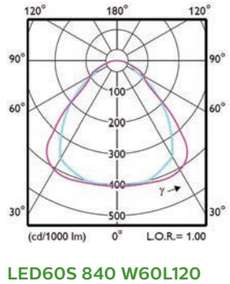

**LED40S 840 W30L120**




**LED40S 840 W60L60**




**LED40S 840 W60L120**

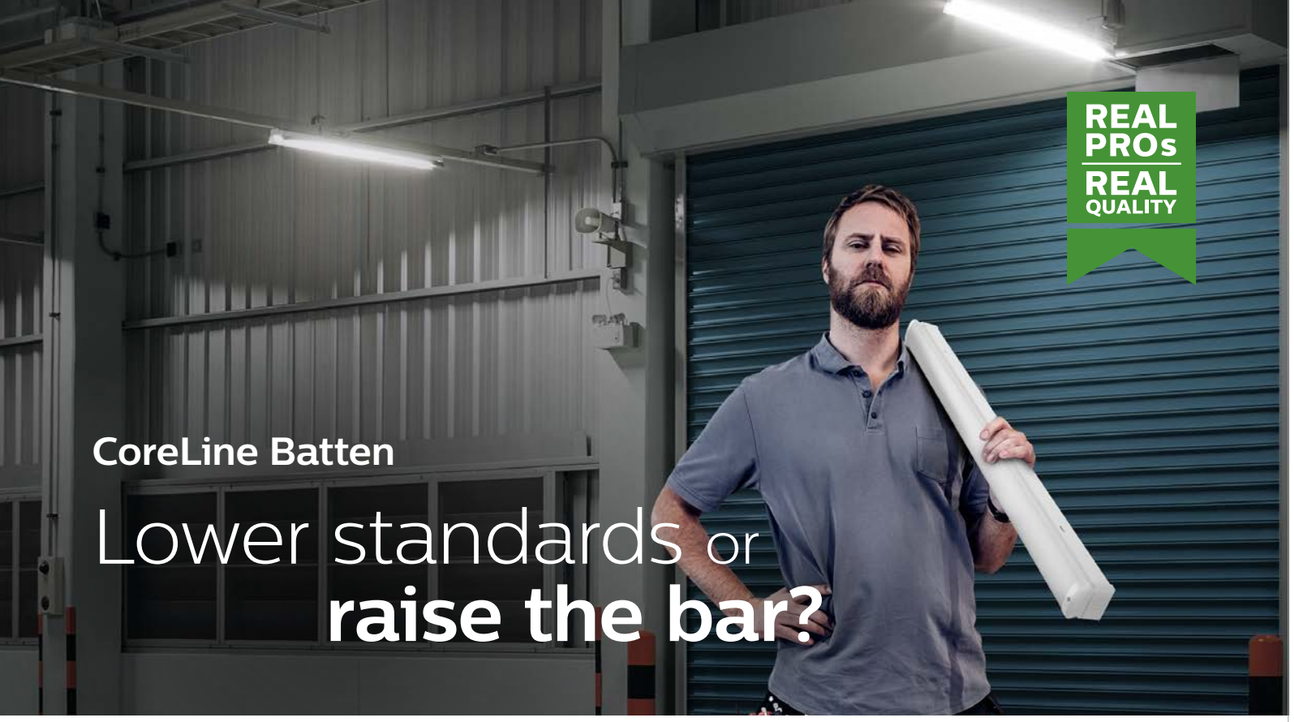



**LED60S 840 W60L120**

### Order codes for the CoreLine Panel

| Specification | Part Number | | Shortcode |
|---|---|---|---|
| 40W, 4000lm, 4000K, 300X1200 | 911401767902 | RC160V LED40S 840 W30L120 PSU OC CAU | RC16V484312PNF |
| 40W, 4000lm, 4000K, 600X600 | 911401767892 | RC160V LED40S 840 W60L60 PSU OC CAU | RC16V48466PNF |
| 48W, 4800lm, 4000K, 600X1200 | 911401808480 | RC160V LED40S 840 W60L120 PSU OC CAU | RC91V484612PNF |
| 48W, 4800lm, 6500K, 600X1200 | 911401808580 | RC160V LED60S 840 W60L120 PSU OC CAU | RC91V486612PNF |

*Note: All the above options come with Flex & Plug




## CoreLine Batten

# Lower standards or **raise the bar?**

## Real professionals count on the new **Philips CoreLine Batten.**

These battens deliver superior performance, output and energy efficiency in an affordable package. It is the perfect retrofit solution for conventional battens.

With a wider base and no visible mounting brackets replacement of an existing batten has never been so easy.

### Key Features and Benefits

- Excellent replacement for T8 and older battens.
- Surface mount with no visible brackets
- Emergency option available (AS2293 compliant)




### Applications

- Warehouses
- Retail
- Stairwells
- General industrial applications

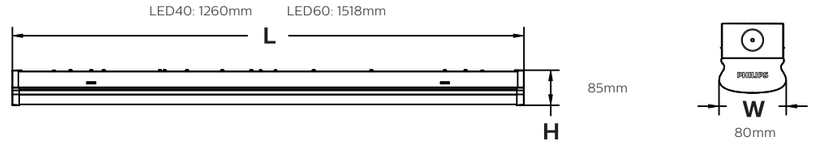
50,000 hours @L70 | Up to 100 lm/w | IP20 | IK03 | 5 year warranty



### Simple installation

Speed and ease of install is key with features such as large terminal block, central feed as well as multiple knock outs for through wiring.

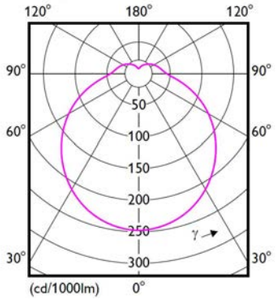
### Dimensions



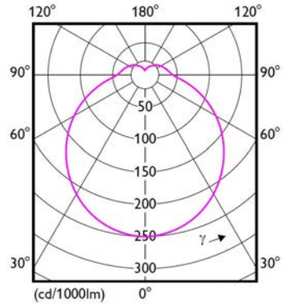

wt. LED40: 2.2KG LED60: 2.9KG

Dimensions shown above are nominal measurement. Slight variation in dimension may occur in producton.

### Polar intensity




LED 40




LED 60

### Order codes for the CoreLine Batten

| Specification | Part Number | Shortcode |
|---|---|---|
| 40W, 4100lm, 4000K, 4ft | 911401761112 BN008C LED40/NW L1200 PSU CL | BN840NW12P |
| 40W, 4100lm, 6500K, 4ft | 911401761102 BN008C LED40/CW L1200 PSU CL | BN840CW12P |
| 60W, 6000lm, 4000K, 5ft | 911401761152 BN008C LED60/NW L1500 PSU CL | BN860NW15P |
| 60W, 6000lm, 6500K, 5ft | 911401761142 BN008C LED60/CW L1500 PSU CL | BN860CW15P |

*Note: Emergeny options also available on request




## Real professionals count on the new **Philips CoreLine Widebody Waterproof.**

It's the ideal retrofit solution for conventional systems. With a wider base, sturdy and robust finish, multiple knock-outs and the ability for through wiring, installation is hassle-free and simple.

### Key Features and Benefits

- ✓ Wide base for direct replacement of T8 battens
- ✓ Available in an emergency option – AS2293 compliant

### Applications

- ✓ Warehouses
- ✓ Wet areas
- ✓ Carparks
- ✓ Factories



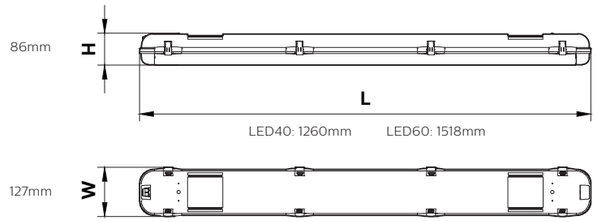

50,000 hours @L70 | IP65 | IK08 | 5 year warranty



### Simple installation

Speed and ease of install is key with features such as large terminal block, central feed as well as multiple knock outs for through wiring.

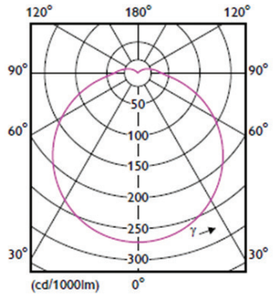
### Dimensions



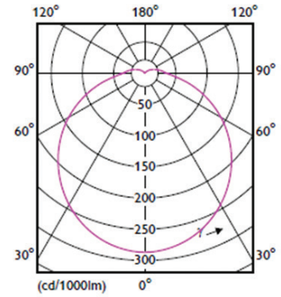

wt. LED40: 1.7KG LED60: 2.14KG

Dimensions shown above are nominal measurement. Slight variation in dimension may occur in producton.

### Polar intensity




LED40




LED60

### Order codes for the CoreLine Widebody Waterproof

| Specification | Part Number | Shortcode |
|---|---|---|
| 40W, 4000lm, 4000K, 4ft, IP65 | 911401761162 WT008C L1200 NW 4000lm NZ CL | WT81284P |
| 40W, 4000lm, 6500K, 4ft, IP65 | 911401761172 WT008C L1200 CW 4000lm NZ CL | WT81286P |
| 60W, 6000lm, 4000K, 5ft, IP65 | 911401761202 WT008C L1500 NW 6000lm NZ CL | WT81584P |
| 40W, 6000lm, 6500K, 5ft, IP65 | 911401761212 WT008C L1500 CW 6000lm NZ CL | WT81586P |

*Note: Emergency options available on request




## Real professionals count on the new **Philips CoreLine Waterproof.**

It's the ideal retrofit solution for conventional systems. With a sturdy and robust finish, multiple knock-outs and the ability for through wiring, installation is hassle-free and simple.

### Key Features and Benefits

- ✓ Easy openable housing & driver replaceable
- ✓ Available in an emergency option – AS2293 compliant

### Applications

- ✓ Warehouses
- ✓ Wet areas
- ✓ Carparks
- ✓ Factories




50,000 hours @L70 | Up to 140 lm/w | IP65 | IK08 | 5 year warranty

interact ready.

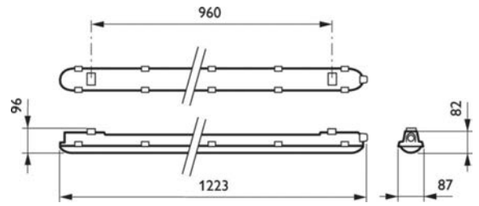


### Simple installation

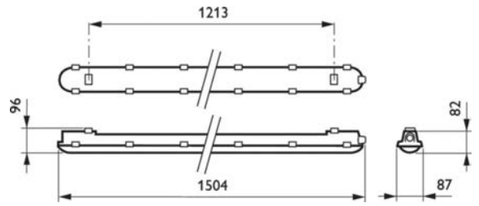
Speed and ease of install is key with features such as large terminal block, central feed as well as multiple knock outs for through wiring.

### Dimensions

**LED40**

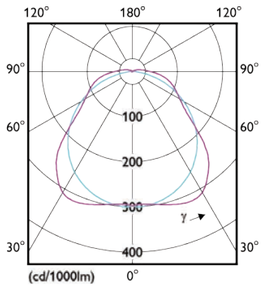



**LED60**

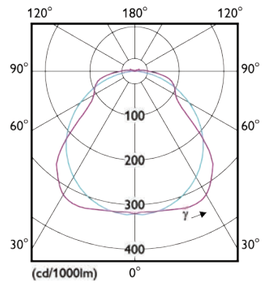



Dimensions shown above are nominal measurement. Slight variation in dimension may occur in producton.

### Polar intensity




LED40




LED60

### Order codes for the CoreLine Waterproof

**CoreLine Waterproof**

| Specification | Part Number | Shortcode |
|---|---|---|
| 29W, 4000lm, 4000K, 4ft, IP65 | 911401552261 WT198C LED40S/840 PSU L1200 | WT194084P12 |
| 43W, 6000lm, 4000K, 5ft, IP65 | 911401552361 WT198C LED60S/840 PSU L1500 | WT196084P15 |

**Coreline Waterproof Inteact Ready**

| Specification | Part Number | Shortcode |
|---|---|---|
| 29W, 4000lm, 4000K, 4ft, IP65, IAR | 910500465266 WT120C LED40S/840 IA1 L1200 | WT194084I12 |
| 43W, 6000lm, 4000K, 5ft, IP65, IAR | 910500465267 WT120C LED60S/840 IA1 L1500 | WT196084I15 |

*Note: Other options available on request




# Real professionals count on the new **Philips CoreLine Tango Floodlight.**

Building on the established Tango reputation, this is the perfect solution for a wide range of area lighting applications and replaces traditional HID floodlights.

Incorporating integrating heat sink and driver into one compact and robust housing making it suitable for a wide range of environments.

## Key Features and Benefits

- Up to 50% energy savings compared to conventional floodlights
- Supplied standard with symmetric wide beam optic, other options and wattages are available to suit most applications.
- 15KV/KA surge protection, non-corrosive die-cast aluminum housing and galvanised bracket make it ideal for harsh environments.



## Applications

- Area lighting
- Industrial areas
- Facades and Billboards
- Parking Lots
- Ports
- Airports

**50,000** hours @L70 · Up to **130** lm/w · **IP66** · **IK08** · **5** year warranty

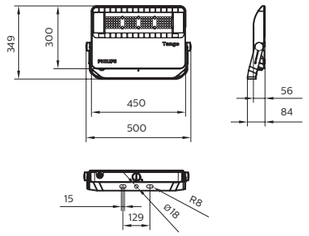


## Simple installation and different mounting options

Easy to install, and maintain, complete with a galvanised mounting bracket for harsh environments. Complete with 600mm flying lead to make installation easy. Built in protractor ensures accurate aiming.

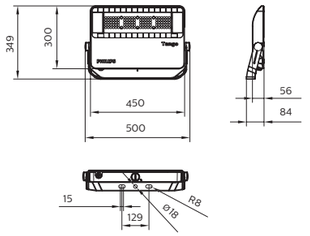
## Dimensions

**70W**



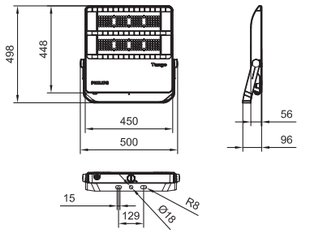

wt. 5.5 KGS

**100W**




wt. 5.5 KGS

**200W**




wt. 8 KGS

Dimensions shown above are nominal measurement. Slight variation in dimension may occur in producton.

## Order codes for the CoreLine Tango Floodlight

| Specification | Part Number | Shortcode |
|---|---|---|
| 70W, 8400lm, 4000K | 911401692105 BVP381 LED91/NW 70W 220-240V SWB CL | BVP381918470SB |
| 100W, 12000lm, 4000K | 911401692005 BVP381 LED130/NW 100W 220-240V SWB CL | BVP3811384100SB |
| 200W, 24000lm, 4000K | 911401691905 BVP382 LED260/NW 200W 220-240V SWB CL | BVP3822684200SB |

*Note: All the above options come with a symmetrical wide beam optic. Other options available on request

PHILIPS

Interact Ready lighting

# Slow business or grow business?

Real professionals boost their business with **Philips CoreLine connected luminaires** that work with the **Interact Pro dashboard and app**

- ✓ World class connected lighting for small- and medium-sized businesses
- ✓ Easy to install, no need for separate antennas, radio boxes or signal cables
- ✓ Speedy set up with the intuitive Interact Pro app
- ✓ Get invaluable data from the Interact Pro dashboard and become a trusted advisor
- ✓ Interact Pro seamlessly works with our Interact Ready CoreLine luminaires

REAL PROs REAL QUALITY



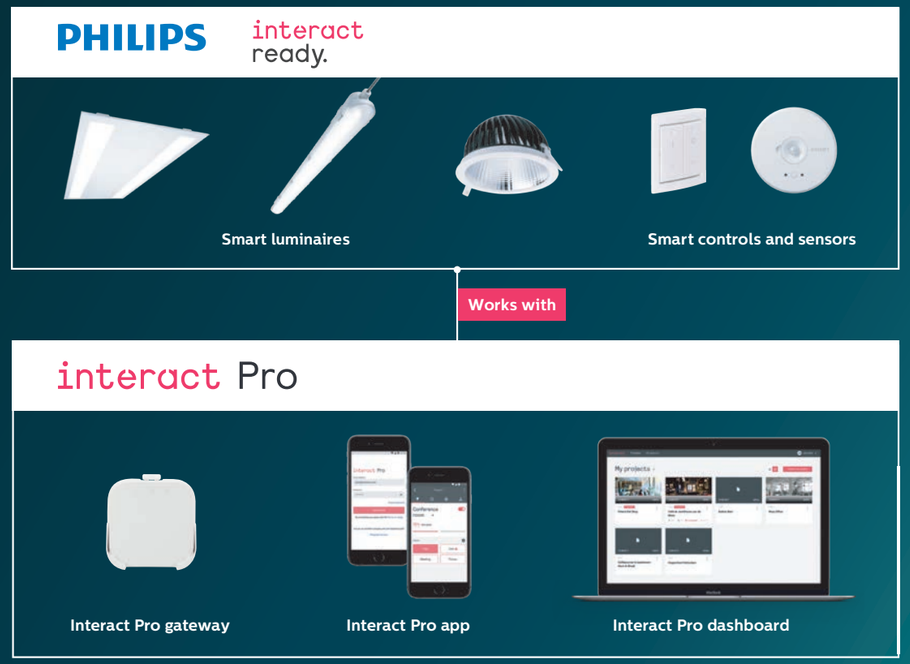
# interact Pro

**It's now possible to bring the power of IoT connected lighting to small and medium-sized businesses with up to 200 light points. Meet Interact Pro: an intuitive app and dashboard that work with Philips Interact Ready CoreLine luminaires. Wherever you work, it works!**

## Get connected in 5 simple steps



1. **Unbox**
2. **Install** Interact Pro gateway and Interact Ready lighting
3. **Download** Interact Pro app
4. **Configure** system with Interact Pro app
5. **Manage** monitor and modify via Interact Pro dashboard




**Discover the possibilities. Get certified today. Go to www.clubblue.co.nz**

# What is **Ingress Protection (IP)** rating?

IP ratings describe the environmental protection that a product has from particles and liquids.

**IP ratings describe the environmental protection that a product has from particles and liquids.**

**Second digit = Protection against liquids (0 - 8)**



**Digit**
**0**
Non protected



**1**
Protected against a solid object greater than 50mm, such as a hand



**2**
Protected against a solid object greater than 12.5mm, such as a finger




**3**
Protected against a solid object greater than 2.5mm, such as a wire




**4**
Protected against a solid object greater than 1.0mm, such as a thin strap



**5**
Dust protected. Protects ingress of dust sufficient to cause harm.



**6**
Dust tight. No ingress of dust.



**Digit**
**0**
Non protected



**1**
Protected against dripping water



**2**
Protected against dripping water when tilted up to 15 degrees



**3**
Protected against spraying water at an angle of up to 60 degrees



**4**
Protected against splashing water from any direction



**5**
Protected against jets of water from any direction



**6**
Protected against the effects of temporary immersion. Up to 30mins, between 15cm to 1m



**7**
Protected against the effects of temporary immersion in water



**8**
Protected against the effects of continuous immersion in water

**Usage and common application**

IP20 – suitable for most indoor application
IP44 – suitable for under canopy and bathroom
IP54 – suitable for under canopy in outdoor areas, industrial application etc
IP65 – suitable for industrial application and outdoor areas
IP68 – suitable for underwater and in-ground application

The above information serves as a reference only, always check with product manufacturer for suitability.



# What are **IK (Impact Protection)** ratings?

**1.** 200 g



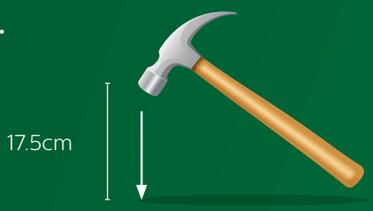

**0.15 joule impact**

**2.** 200 g




**0.20 joule impact**

**3.** 200 g

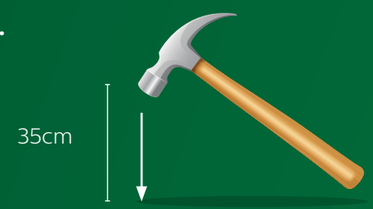



**0.35 joule impact**

**4.** 200 g




**5.** 500 g




**0.7 joule impact**

**6.** 500 g




**1 joule impact**

**7.**




**2 joule impact**

**8.** 5 kg




**5 joule impact**

**9.** 5 kg




**10 joule impact**

**10.** 10 kg




**20 joule impact**

# Common **LED myths**

There are many benefits to using LED lighting, but there are also numerous misconceptions about it. We help to separate the facts from fiction by busting some of the common myths.

**Myth 1**

## LEDs last forever

LEDs have a long source life but they do still slowly fade over time. Ambient temperatures, electrical drive currents, and the effectiveness of cooling systems are all factors that contribute to this phenomenon called lumen depreciation. While LEDs typically do not catastrophically fail, lumen depreciation is a critical factor in determining useful lifetimes.

**Philips designs our white light LED products to sustain 70% of initial lumen output (L70)**

**Myth 2**

## White LEDs produce over 180 lumens per watt

These results are often obtained in labs where LED chips are tested at room temperature conditions with short "pulse" tests that produce a high lumen output. While the results are not necessarily "wrong," they do not reflect the typical expected output of LEDs in practical use. When used in lighting fixtures, LED output often decrease by 30-40%.

**Philips does not use raw LED specifications or "instant on" output testing. Instead, we use independent testing labs to validate the output of our fixtures at constant, realistic thermally-stable operating temperatures in rated, ambient environments.**

**Myth 3**

## 3 Watt LEDs are brighter than 1 Watt LEDs

The wattage of a LED is not directly comparable to the wattage of a traditional light source or even from one LED to another. Two different LEDs can consume the same power but differ noticeably in light output. Thus, when selecting LEDs or LED fixtures, it is more about a quality and consistent light output rather than absolute power.

**Philips develops solutions based on the light output, distribution and quality needed for the application and not based on the particular wattage of LEDs.**

**Myth 4**

## LED light quality is poor

The Colour Rendering Index (CRI) is the prevalent method used to judge light quality, though there are known deficiencies and limitations associated with it, especially for LED-based light sources. Research in at least one study found participants preferring LED sources over halogen and incandescent because of overall colour appearance, not a CRI value. The International Commission on Illumination (CIE) has proposed a new metric called Colour Quality Scale (CQS), which will incorporate colour rendering, chromatic discrimination and observer preferences into the measure of Colour Quality.

**Philips works to design high quality and consistent light output. We measure our colour consistency in SDCM (Standard Deviation of Colour Matching).**

**Myth 5**

## LEDs generate no heat

When used in lighting applications, LEDs do not radiate infrared heat, only visible light. However, waste heat is produced during the conversion of electricity into light. If not properly removed from the lighting system, this may potentially damage the LEDs. Heat removal can be accomplished through heat sinks that draws heat away from the LED and dissipate it into the surrounding air.

**Philips designs, simulates and tests our products for high thermal efficiency to ensure optimal performance and maximise the lifetime of our LEDs.**

**Myth 6**

## LEDs are not resistant to vibration

There are no moving parts, filaments or fragile glass enclosures with LED lighting. LEDs are therefore very suitable for use in a wide range of applications.

**Philips designs products that must pass vibration tests according to IEC standards. In some cases, we use military standards for higher grade of assurance.**

**Myth 7**

## LED systems cost too much

The initial investment of LED systems is higher than that of conventional systems, but due to the long life of the LED and energy savings ranging between 50%-70% compared to conventional light sources, the economic payback can typically be seen in less than two years. Additionally, the upfront cost of LED systems is also dropping rapidly.

**Philips provides cost-effective solutions that have a proven and compelling return on investment (ROI).**

**Myth 8**

## LEDs are not bright enough

LED traffic lights are already common and are certainly a sign that LEDs are bright enough to be seen even in daylight. Outdoor roads, tunnels and entire building façades are being lit entirely with LEDs today. By any measure, LEDs have enough light output for use even in very large outdoor daylight-visible installations.

**Philips products have been used in more than 20,000 installations worldwide, including large exterior projects such as the Stamford Bridge Stadium (Chelsea Football Club), Al Saad Stadium (Doha, Qatar) and Federal Highway (Malaysia).**

**Myth 9**

## LED lights are dangerous to our eyes

There is a small amount of blue light generated by LED but it is a tiny fraction of the emissions from natural daylight, and similar to emissions from other artificial light sources like incandescent, halogen and energy savers or fluorescent lamps. Typical daily exposure to natural blue light is at least 1,000 times stronger compared to artificial light indoors

**Philips LED products comply with all the relevant regulations and legislation, ensuring products are safe to use. This means that being exposed to a LED light is as safe as being exposed to any other artificial light source, and safer than being exposed to natural lighting conditions – such as walking in the open air.**



# Real Pros, **Real Quality**

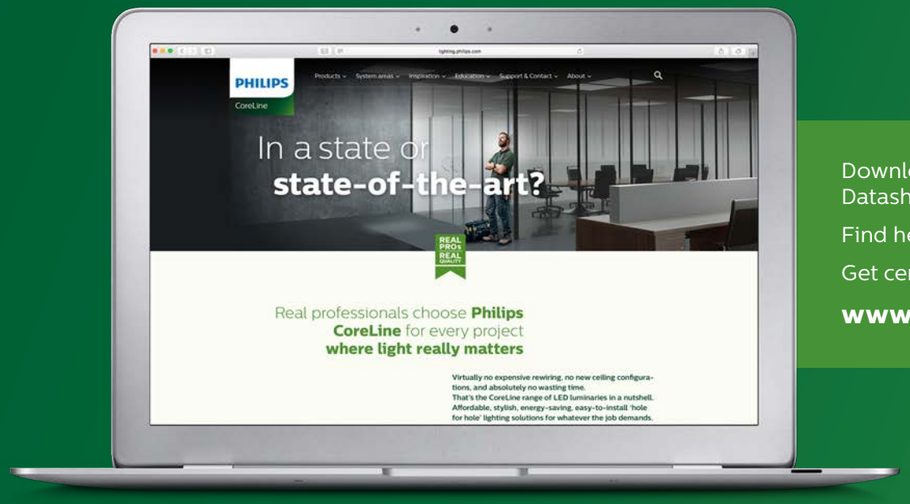
When you need to get the job done right, you can count on Philips LED technology. With the widest range of LED lamps, fixtures and controls – we can satisfy every customer need.

LED technologies are rapidly changing, creating plenty of new opportunities. As a trusted name in lighting, we understand your challenges and can help you build your business.

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