Technical
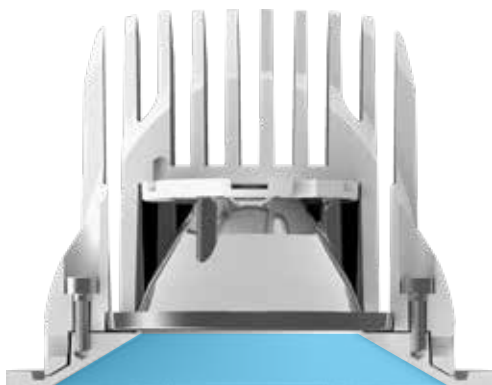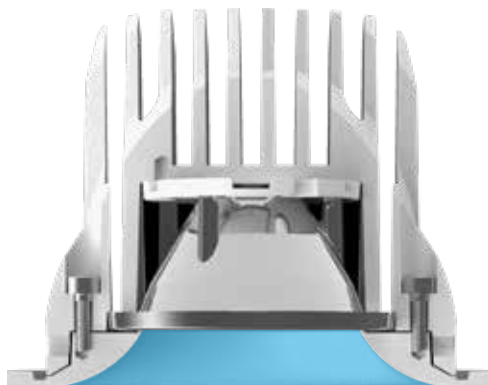
Titan Variants

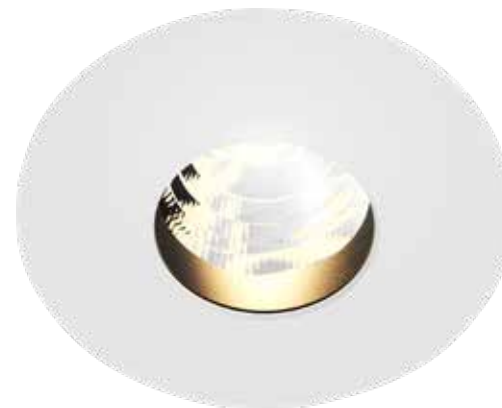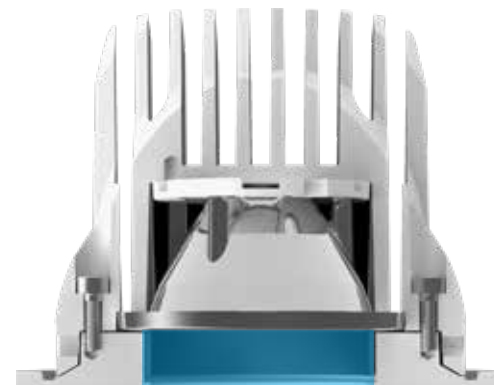Cone

Organic

Anti-glare

Technical info online (www.doxis.be)

For more technical info visit our website.
www.doxis.be offers up-to-date information, datasheets, mounting instructions, wiring schemes, certificates, LDT files, etc
Product specific downloads can be found here for each article.

Doxis website: **http://www.doxis.be**

Bridgelux Vero LED (Juno, Titan & Atlas)

The Bridgelux Vero next generation LED packaged array technology offers new advancements in design flexibility, ease of use, and energy efficiency today while also defining a platform for future opportunities to integrate smart sensors and wireless communication technology for smart building control systems and other innovative applications. The Vero Series has industry leading performance and is available in configurations with color temperatures from 2700K to 5000K and a wide variety of CRI options.

Features
- Market leading efficacy,
- Broad range of CCT options from 2700K to 5000K
- CRI options include; minimum 70, 80, 90 for standard and 97 typical for Decor products
- 2 and 3 SDCM color control for 2700K-4000K CCT
- Reliable operation at up to 2X rated drive current
- Radial die pattern and improved lumen density
- 5-Year limited warranty
- All our luminaires equiped with bridgelux COB LEDs are classified risk group 1 (eye safety).

Benefits
- Broad application coverage for interior and exterior lighting
- Flexibility to respond to application driven lighting design requirements
- High quality true color reproduction
- Uniform consistent white light
- Improved optical control

Bridgelux Vero 10 (Tc=85°C)	CCT	CRI	Lum. Flux	Power consump.	Module efficacy	Nom. current	Forward voltage	Colour consist.	Lumen Maint. L70B50	Photobiol. safety
	K	Ra	lm	W	lm/W	mA	V	SDCM	K hrs	
Bridgelux Vero 10 927 type D	2700	90	1012	8.9	113	350	25.5 (typ.)	3	70	RG1
Bridgelux Vero 10 930 type D	4000	90	1054	8.9	118	350	25.5 (typ.)	3	70	RG1
Bridgelux Vero 10 940 type D	3000	90	1077	8.9	121	350	25.5 (typ.)	3	70	RG1

Bridgelux Vero 18 (Tc=85°C)	CCT	CRI	Lum. Flux	Power consump.	Module efficacy	Nom. current	Forward voltage	Colour consist.	Lumen Maint. L70B50	Photobiol. safety
	K	Ra	lm	W	lm/W	mA	V	SDCM	K hrs	
Bridgelux Vero 18 927 type D 700mA	2700	90	1983	19.8	125	700	28.3 (typ.)	3	70	RG1
Bridgelux Vero 18 930 type D 700mA	3000	90	2057	19.8	130	700	28.3 (typ.)	3	70	RG1
Bridgelux Vero 18 940 type D 700mA	4000	90	2201	19.8	139	700	28.3 (typ.)	3	70	RG1
Bridgelux Vero 18 927 type D 1050mA	2700	90	2811	30.5	115	1050	29 (typ.)	3	70	RG1
Bridgelux Vero 18 930 type D 1050mA	3000	90	2916	30.5	119	1050	29 (typ.)	3	70	RG1
Bridgelux Vero 18 940 type D 1050mA	4000	90	3119	30.5	128	1050	29 (typ.)	3	70	RG1

CREE CXB (Vesto)

XLamp® CXB LED Arrays lead the industry in efficacy and reliability for ceramic-based COB LEDs. Cree CXB LEDs easily deliver TM-21 lifetimes well beyond L90 60,000 hours under a wide range of operating conditions. CXB LED Arrays share the same physical design as XLamp CXA and CMA LED families, allowing to leverage the existing optical, mechanical and electrical design elements to accelerate time without additional cost. CXB Standard Density LED Arrays are now available in two different versions: Standard and eTone™ LEDs. The eTone version delivers beautiful 90 CRI light quality at the same efficacy as today's standard 80 CRI LEDs.

Features
• 6-mm optical source
• Mechanical and optical design consistent with other CXA13LEDs
• Cree EasyWhite® 2-, 3- and 5-step binning
• Premium Color 2- and 3-step binning
• Standard & Premium Color LEDs available in 70, 80, 90 and
• 95 CRI minimum options
• eTone™ LEDs available in 90 CRI minimum option
• Forward voltage options: 9-V class, 18-V class & 36-V class
• 85 °C binning and characterization
• Extremely uniform color over viewing angle
• Top-side solder connections
• Thermocouple attach point
• NEMA SSL-3 2011 standard flux bins
• RoHS and REACh compliant
• UL® recognized component (E349212)

CREE CXB 1304 eTone (Tc=85°C)	CCT	CRI	Lum. Flux	Power consump.	Module efficacy	Nom. current	Forward voltage	Colour consist.	Lumen Maint. L70B50	Photobiol. safety
	K	Ra	lm	W	lm/W	mA	V	SDCM	K hrs	
CREE CXB 1304 eTone 927	3000	90	396	3	133	350	8.5 (typ.)	3	70	RG1
CREE CXB 1304 eTone 930	4000	90	412	3	138	350	8.5 (typ.)	3	70	RG1
CREE CXB 1304 eTone 940	3000	90	424	3	142	350	8.5 (typ.)	3	70	RG1

LED Technology and efficiëncy improves rapidly. For the latest technical info please visit www.doxis.be.

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Citizen Dim To Warm LED (Titan)

CITIZEN ELECTRONICS is the first COB manufacturer. Their advanced knowledge and packaging technology for many years has excellent reliability and high quality of our products.
This product (COB) is comprised of two different CCTs, and is to be driven using the 2 terminals

Features
- Mechanical Dimensions : 14.0 x 19.0 x 1.6 (mm)
- Package Structure : Ceramic Base Chip on Board
- Ceramic Base: : material AZ214T(Certificate Number 20140905-E356524)
- Connection to Heat Sink : By Holder + M3screw, Thermally conductive glue
- CRI (Ra) : Min.90 (cool CCT)
- Cool CCT : 2,700K (IF=360mA)
- Warm CCT : 1,800K (IF=10mA)
- Chromaticity Range : 3-step MacAdam Ellipse, the center refers to ANSI C78.377:2011. (cool CCT)
- Thermal Resistance : 3.0C/W
- RoHS compliant

Driver note:
Only use drivers using AM (amplitude) dimming. Dim-To-Warm does not work with PWM drivers.
In this catalogue these drivers are marked with "Dim-to-warm driver".

DIM TO WARM
1850K ▶ 3100K

Dim-to-warm LED Specifications	Luminous Flux	Power	Forward Current	Voltage			Colour rendering index		Colour temperature	Chromaticity	Colour consistency
	Im	W	mA	min.	typ.	max.	Ra	R9	K		SDCM
Dim-to-warm (Full power)	814	8.6	250	31.4	34.3	37	min. 80	min. 50	3100	X:0.430 / Y:0.402	3
Dim-to-warm (Dimming)	20	<1	10	25.1	27.3	29.5	min. 80	min. 50	1850	X:0.544 / Y:0.410	3

Forward Current vs. Relative Luminous Flux

Forward Current vs. CCT

xy Chromaticity profile

CITIZEN

Citizen CLU LED (FlatLED)

CITIZEN ELECTRONICS is the first COB manufacturer. Their advanced knowledge and packaging technology for many years has excellent reliability and high quality of our products.
The element arrangement of the LED package is capable of utilizing light more effectively at higher performance.
The new version of the CITILED COB Series succeed to reduce the thermal resistance significantly.
The new version creates more options to match the luminaire's design (ex. high performance, cost effective, higher lumen density, increased allowable max. If).
The outline and LES size is the same since version 1.
3-step MacAdam ellipse color definition at Tj=85C is available.

Features
- Mechanical Dimensions: 19.0×19.0×1.4 (mm)
- Package Structure: Aluminum Base Chip on Board
- Assembly : M3 screw or Connector
- CRI (Ra) : 90 Min.
- Nominal CCT : 2700K, 3000K, 3500K, 4000K
- Chromaticity Range : 3-step MacAdam Ellipse, center refers to ANSI C78.377:2011
- Thermal Resistance : 0.61C/W
- Maximum drive current : 1380mA
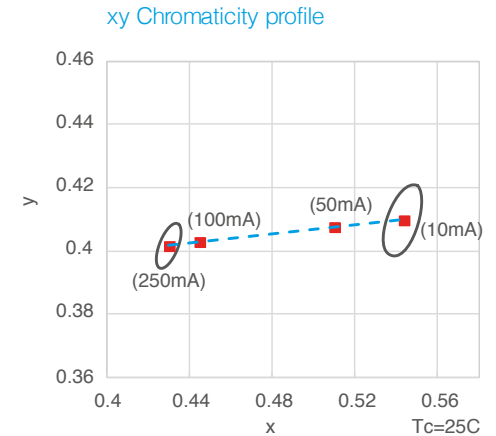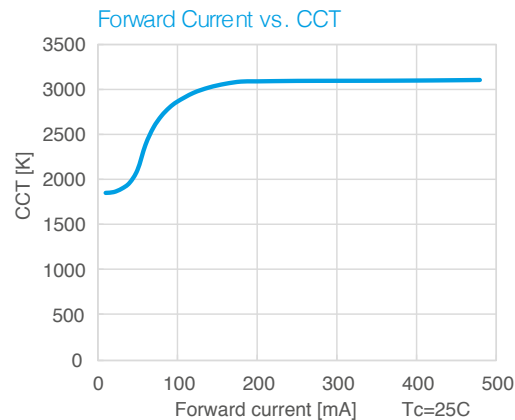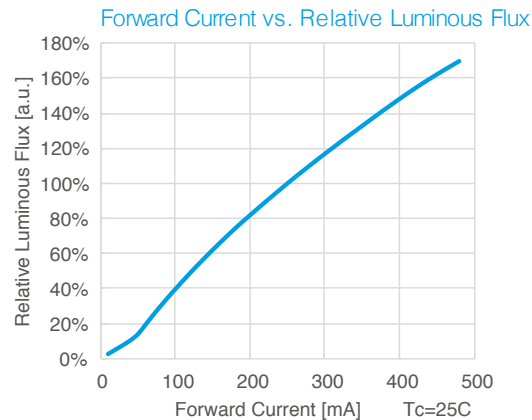- RoHS compliant
- Better die arrangement for optics
- Wide range of luminous flux and high efficacy
- Improved lumen density compared with previous version
- UL recognized component (E358566)

Citizen CLU038 (Tc=85°C)	CCT	CRI	Lum. Flux	Power consump.	Module efficacy	Nom. current	Forward voltage	Colour consist.	Lumen Maint. L70B50	Photobiol. safety
	K	Ra	lm	W	lm/W	mA	V	SDCM	K hrs	
Citizen CLU038 1206 927	3000	90	1480	11.5	129	350	32.6 (typ.)	3	70	RG1
Citizen CLU038 1206 930	4000	90	1538	11.5	134	350	32.6 (typ.)	3	70	RG1
Citizen CLU038 1206 940	3000	90	1561	11.5	136	350	32.6 (typ.)	3	70	RG1

CITIZEN

LED Technology and efficiëncy improves rapidly. For the latest technical info please visit www.doxis.be.

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Doxis Lighting Factory Colors

Standard colors

01	03	18	07	15	16	24	25
White Matt Text.	Black Matt Text.	Grey Matt Text.	Anthracite Matt Text.	Corten	Gold	Old Matt Copper	Smoked Brown
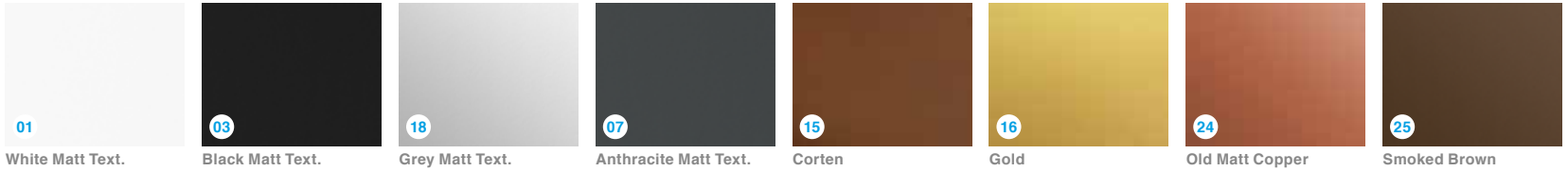
Custom colors

On request Doxis offers the possibilty to order its products in custom RAL colors.

Custom RAL colors are available in 4 types:
Matt = gloss level 30%
Satin = gloss level 70%
High Gloss = gloss level 100%
Fine Structure

For more information please contact us.

Doxis Coating Facility

Since november 2017, Doxis Lighting Factory operates its own coating facility.
This offers more flexibility, faster lead times, more favorable prices and a better quality control.

Driver specifications

|	Art. nr.		Dimensions mm	Max nr. drivers MCB 16A Type B	Inrush current I_{peak}	Inrush current 1/2 value time T_{width}	Power factor $\lambda_{max.}$	Wire cross section mm²	Driver setting	Max. distance driver to last last LED (min. 1mm² wiring)
Mono	494.24.06	Non dimmable	68x35x22	≤ 50	20A	170µs	0.58 C	up to 2.5mm²	Fixed	50m
	490.24.20	Non dimmable	115x34x19	≤ 27	27A	250µs	0.58 C	up to 2.5mm²	DIP-switch	50m
	493.24.15	Non dimmable	115x34x19	≤ 27	27A	250µs	0.54 C	up to 2.5mm²	Fixed	50m
	490.24.16	Non dimmable	147x44x30	≤ 50	5A	50µs	0.95	up to 1.5mm²	Fixed	50m
	492.24.32	Non dimmable	147x44x30	≤ 50	5A	50µs	0.95	up to 1.5mm²	Fixed	50m
	492.24.42	Non dimmable	147x44x30	≤ 50	5A	50µs	0.95	up to 1.5mm²	Fixed	50m
	490.27.20	Mains dimmable	102x38x21	≤ 50	2A	50µs	0.9 C-0.96	up to 1.5mm²	Fixed	15m
	497.27.20	Mains dimmable (DTW)	108x52x22	≤ 50	2A	50µs	0.97	up to 1.5mm²	Fixed	15m
	495.27.20	Mains dimmable	108x52x22	≤ 50	2A	50µs	0.97	up to 1.5mm²	Fixed	15m
	494.25.20	1-10V / Push dimmable	108x52x22	≤ 50	5A	50µs	0.95	up to 1.5mm²	DIP-switch	15m
	494.26.20	DALI dimmable	108x52x22	≤ 50	5A	50µs	0.95	up to 1.5mm²	DIP-switch	15m
	490.25.20	1-10V / Push dimmable	108x52x22	≤ 50	5A	50µs	0.95	up to 1.5mm²	DIP-switch	15m
	490.26.20	DALI dimmable	108x52x22	≤ 50	5A	50µs	0.95	up to 1.5mm²	DIP-switch	15m
	492.26.36	Touch / DALI dimmable	145x43x30	≤34	18.6A	240µs	>0.9	up to 1.5mm²	Interface	0.6m
Duo	490.24.40	Non dimmable	124x79x22	≤ 15	20A	400µs	0.95	up to 2.5mm²	DIP-switch	50m
	490.26.40	DALI / 1-10V / Push dimmable	124x79x22	≤ 15	20A	400µs	0.95	up to 2.5mm²	DIP-switch	50m
Trio / Quattro	490.24.80	DALI / 1-10V / Push dimmable	124x79x22	≤ 15	20A	400µs	0.95	up to 2.5mm²	DIP-switch	50m

MCB conversion table

MCB type	Max current	Relative nr. of drivers
B	25A	156%
B	20A	125%
B	16A	100%
B	10A	63%
C	25A	260%
C	20A	208%
C	16A	170%
C	10A	104%
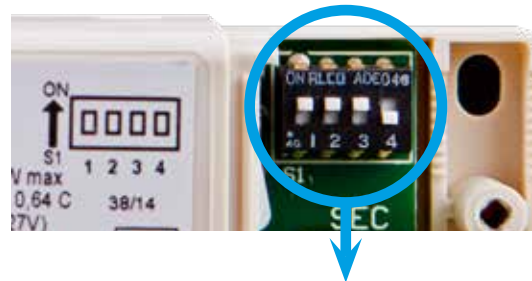
Dip switch setting

The output current of the LED drivers can be adjusted.
This can be done using the DIP-switches on the LED driver.
Always make sure the switches are set to the correct position.

DIP-switch setting and corresponding output current can be found on the table on the driver or on the driver instructions (http://www.doxis.be).

Driver combinations

	Art. nr.	Dimming	Dimensions mm	Juno @150mA pcs/driver	Vesto @350mA pcs/driver	Titan @350mA pcs/driver	Dim-To-Warm @250mA (AM) pcs/driver	FlatLED @350mA pcs/driver	Atlas @700mA pcs/driver	Atlas @1050mA pcs/driver
Mono	494.24.06	Non dimmable	68x35x22	max. 1	-	-	-	-	-	-
	490.24.20	Non dimmable	115x34x19	max. 1	1 - 4	max. 1	-	max. 1	-	-
	493.24.15	Non dimmable	115x34x19	-	1 - 4	max. 1	-	max. 1	-	-
	490.24.16	Non dimmable	147x44x30	-	2 - 4	1 - 2	-	max. 1	-	-
	492.24.32	Non dimmable	147x44x30	-	-	-	-	-	max. 1	-
	492.24.42	Non dimmable	147x44x30	-	-	-	-	-	-	max. 1
	490.27.20	Mains dimmable	102x38x21	-	2	max. 1	-	-	-	-
	497.27.20	Mains dimmable (DTW)	108x52x22	-	-	max. 1	max. 1	max. 1	-	-
	495.27.20	Mains dimmable	108x52x22	-	3 - 4	-	-	max. 1	-	-
	494.25.20	1-10V / Push dimmable	108x52x22	max. 1*	1 - 5	max. 1	max. 1	max. 1	-	-
	494.26.20	DALI dimmable	108x52x22	max. 1*	2 - 5	max. 1	-	max. 1	-	-
	490.25.20	1-10V / Push dimmable	108x52x22	-	1 - 4	max. 1	max. 1	max. 1	-	-
	490.26.20	DALI dimmable	108x52x22	-	1 - 4	max. 1	max. 1	max. 1	-	-
	492.26.36	Touch / DALI dimmable	145x43x30	-	-	-	-	-	max. 1	max. 1
Duo	490.24.40	Non dimmable	124x79x22	-	2 - 6*	1 - 2**	-	1 - 2	1 - 2	1
	490.26.40	DALI / 1-10V / Push dimmable	124x79x22	-	1 - 7*	1 - 2**	1 - 2*	1 - 2	1 - 2	1
Trio / Quattro	490.24.80	DALI / 1-10V / Push dimmable	124x79x22	-	3 - 10*	max. 4**	1 - 3*	1 - 3	1 - 3	-

*Remote installation only
**Remote installation only for Titan Fix/IP54 and Titan Trimless versions.

LED Specifications				
	Current	**Vf min.**	**Vf typ.**	**Vf max.**
Juno	150mA	21.4V	24V	26.5V
Vesto	350mA	-	8.4V	9.5V
Titan	350mA	23V	25.5V	28V
FlatLED	350mA	33.6V	36.2V	39.9V
Atlas	700mA	26.4V	28.5V	30.7V
	1050mA	27.1V	29.3V	31.5V

min. 20mm recommended
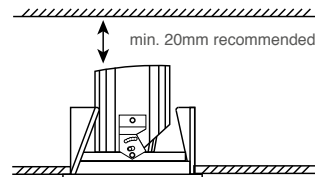
Air circulation
Make sure there is enough room around the spot when built in.
This room is required for air circulation (for LED cooling purposes)
Doxis advises to leave at least 20mm of free space above the spot
for optimal cooling.

Fortimo LED Strip HV 1100lm/ft Systems (Profiles / Full Moon)

Features and benefits:

In today's rapidly changing office market, demand is increasing for scalable, energy-efficient LED lighting solutions that enhance the workspace, supporting both staff well-being and corporate image. In this evolving environment, luminaire manufacturers want a component that offers fluorescent replacement solutions and that will allow them to create slender, seamless light-lines that do not compromise on the light quality their customers are used to.

Fortimo LED Strip is a sleek linear LED array with a fixed form factor and consistent high-quality white light making it possible to create new slimline designs that go beyond traditional fluorescent office applications. Supported with a state-of-the-art Xitanium driver, it is easy to design-in, enabling fast luminaire creation.

And because this energy-efficient system is scalable and upgradable, it offers a truly future-proof solution.

5 Year **PHILIPS** warranty

Fortimo LED Strip HV		Light output	Module efficacy	Power consump.	Forward voltage	Nom. current	CRI	CCT	Colour consist.	Photobiol. safety
		lm	lm/W	W	V	mA	Ra	K	SDCM	
0.5ft	Fortimo LED Strip 0.5ft 550lm 830 1R HV4	522	169	3.1	11.2	276	80	3000	3	RG1
	Fortimo LED Strip 0.5ft 550lm 840 1R HV4	550	178	3.1	11.2	276	80	4000	3	RG1
	Fortimo LED Strip 0.5ft 550lm 930 1R HV4	522	134	3.9	11.4	342	90	3000	3	RG1
	Fortimo LED Strip 0.5ft 550lm 940 1R HV4	550	141	3.9	11.4	342	90	4000	3	RG1
1ft	Fortimo LED Strip 1ft 1100lm 830 1R HV4	1044	169	6.2	22.4	276	80	3000	3	RG1
	Fortimo LED Strip 1ft 1100lm 840 1R HV4	1100	178	6.2	22.4	276	80	4000	3	RG1
	Fortimo LED Strip 0.5ft 550lm 927 1R HV4	1028	132	7.8	22.8	342	90	2700	3	RG1
	Fortimo LED Strip 0.5ft 550lm 930 1R HV4	1045	134	7.8	22.8	342	90	3000	3	RG1
	Fortimo LED Strip 0.5ft 550lm 940 1R HV4	1100	141	7.8	22.8	342	90	4000	3	RG1
2ft	Fortimo LED Strip 2ft 2200lm 830 1R HV4	2088	169	12.4	44.8	276	80	3000	3	RG1
	Fortimo LED Strip 2ft 2200lm 840 1R HV4	2200	178	12.4	44.8	276	80	4000	3	RG1
	Fortimo LED Strip 0.5ft 550lm 930 1R HV4	2090	134	15.5	45.5	342	90	3000	3	RG1
	Fortimo LED Strip 0.5ft 550lm 940 1R HV4	2200	141	15.5	45.5	342	90	4000	3	RG1

Lumen maintenace x 1000 hours at nominal current								
L70B50	L70B20	L70B10	L80B50	L80B20	L80B10	L90B50	L90B20	L90B10
>70	>70	>70	>70	65	60	35	35	30

PHILIPS

Light Output Ratio Profiles

The given luminous flux for Linear modules is based on the luminous flux of 4000K LED modules. For LED modules in 3000K 95% of these values can be opted. Please apply the light output ratios in the table below for a more accurate result.

Please keep in mind that these values apply to standard matt white texture powdercoated profiles. Depending on the finish a luminous flux decrease up to 18% is possible relative to the luminous flux when opting for standard matt white texture powdercoated profiles.

Light output ratios of (white) LEDLiner profiles		
Profile	**Direct (Down)**	**Indirect (Up)**
LEDLiner35	Opal cover: 80%	-
LEDLiner47	Opal cover: 57%	Opal cover: 63%
LEDLiner65	Opal cover: 58% Prismatic: 59%	-
LEDLiner66	Opal cover: 53% Prismatic: 55%	Opal cover: 67%
LEDLiner80	Opal cover: 52% Prismatic: 54% 60° Array: 90% Wallwasher Array: 90% Batwing Array: 90%	Opal cover: 67%
LEDLiner85	Opal cover: 44% Prismatic: 49%	Opal cover: 67%
LEDLiner170	Opal cover: 69% Prismatic: 67%	Opal cover: 71%

Current Reduction

Current Reduction Research	2149.00.00
Current Reduction Resistor	2149.00.01

Emergency Lighting (Fortimo LED Line / LED Strip)

Philips TrustSight LED emergency kits come complete with battery packs. Designed for use with current-control LED drivers, they operate as a de-centralized emergency lighting solution in the event of a mains voltage failure. TrustSight LED emergency kit is compatible with most LED control gear on the market. They support applications requiring 1 or 3 hours operating time and are CE and ENEC-certified.

ency module for linear modules
ngth of profile: 1100mm, RTG starting at ref. 08)

1Hr Standard	659.24.LED-1
3Hrs Standard	659.24.LED-3
1Hr DALI	659.26.LED-1
3Hrs DALI	659.26.LED-3

Emergency modules are equipped with self-testing.
DALI version with on command testing, status read-out
and additional functionality.

In case of mains failure:
In emergency mode, the Philips Trustsight LED Emergency kit acts as a 3W constant power source.
This means approx. 507lm for 3000K modules (169lm/W) and approx. 534lm for 4000K modules (178lm/W).
Please apply the correct LOR (light output ratio) mentioned below for a more precise estimation of the luminous flux in emergency mode for a specific luminaire.

One emergency module powers one LED module (280mm/560mm depending on linear configuration).
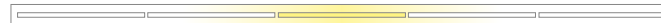
ActiLume Daylight- & Movement Sensor

The ActiLume system is a daylight sensor with built-in presence detection. It provides huge energy savings, maximum comfort and
is also a tool for fighting climate change on our planet.

With ActiLume you get automatic energy savings of up to 70 - 75%.
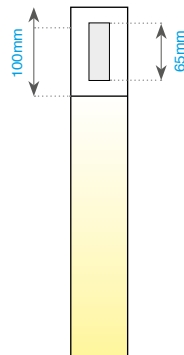
ActiLume daylight/presence detection
(Min. length of profile: 1100mm, Ready To Go starting at ref. 08)

Stand-alone system   659.00.00
1 sensor integrated in 1 fixture

Only for DALI-dimmable linear modules.
Not comptatible with LEDLiner40 and LEDLiner100.

To accomodate the ActiLume sensor, extra length will be added to your Ready To Go profile:
  •   +100mm for R35, R45, R47, R65, R66, R80 and R85
  •   +50mm for R170

Ready To Go profiles - Options

Extend To Fit

art.nr. 650.99.01

In this catalogue, we offer 43 RTG's per profile type, all with fixed lengths. We can customize specific required dimensions by extending the gap between LED modules without esthetical discomfort. Profiles can be extended from 10 to 130mm, as requested.

Below, we have made an <u>example</u> on how to order:

<u>Requested:</u> LEDLiner35 Ceiling Mounted 3000mm
- Step 1: Look for the corresponding page in this catalogue > Page 190
- Step 2: Look for the nearest (smaller) dimension, closest to 3000mm > R35CM.DM.CCC.xx-21 (2986mm)

How to order a LEDLiner35 Ceiling Mounted 3000mm:
- Step 1: Order the nearest (smaller) dimension
  R35CM.DM.CCC.xx-21
- Step 2: Order art.nr. 650.99.01 (Extend To Fit) and confirm requested length 3000mm
  650.99.01 (3000mm)

STANDARD RTG LENGTH *ex. R35CM.DM.CCC.xx-21 (2986mm)*

← EXTENDED TO FIT 3000mm →
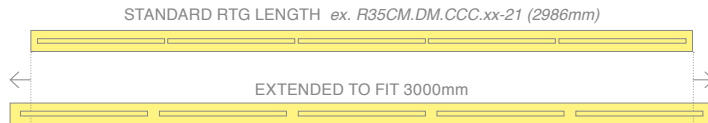
Ceiling connecting boxes

Square ceiling mounted connecting box (in the same color as the profile) is standard included. Possibility to replace the standard connecting box by a round recessed or trimless connecting box, in the color of your choice.

Recessed Connecting Box Ø80mm

White Matt Texture	2132.00.01
Black Matt Texture	2132.00.03
Grey 9006 Matt Texture	2132.00.18
Anthracite Matt Texture	2132.00.07

Cut-out: Ø68mm (depth min. 60mm)
Other colors on request

Trimless Connecting Box Ø80mm

White Matt Texture	2133.00.01
Black Matt Texture	2133.00.03
Grey 9006 Matt Texture	2133.00.18
Anthracite Matt Texture	2133.00.07

Cut-out: Ø85mm (depth min. 60mm)
Other colors on request

Suspension set 4000mm

Our standard suspension set of 2000mm is included in all suspended luminaires.

The following ordering codes are needed for optional 4000mm suspension sets
(please order 1x the article number corresponding with the required amount of suspensions)
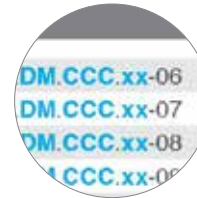
To find out how many suspensions are required for your profile, check the last 2 figures of your RTG article number:

DM.CCC.xx-06
DM.CCC.xx-07
DM.CCC.xx-08
.CCC.xx-0

ref. 06-13: 2 suspensions required
ref. 14-24: 3 suspensions required
ref. 25-30: 4 suspensions required
ref. 31-48: 6 suspensions required

Suspension + White Textile Cable Supply 4000mm

	2 susp.	3 susp.	4 susp.	6 susp.
3x0.75mm²	2144.02.01	2144.03.01	2144.04.01	2144.06.01
5x0.75mm²	2145.02.01	2145.03.01	2145.04.01	2145.06.01
7x0.75mm²	2146.02.01	2146.03.01	2146.04.01	2146.06.01

Suspension + Black Textile Cable Supply 4000mm

	2 susp.	3 susp.	4 susp.	6 susp.
3x0.75mm²	2144.02.03	2144.03.03	2144.04.03	2144.06.03
5x0.75mm²	2145.02.03	2145.03.03	2145.04.03	2145.06.03
7x0.75mm²	2146.02.03	2146.03.03	2146.04.03	2146.06.03

Suspension + Grey Textile Cable Supply 4000mm

	2 susp.	3 susp.	4 susp.	6 susp.
3x0.75mm²	2144.02.18	2144.03.18	2144.04.18	2144.06.18
5x0.75mm²	2145.02.18	2145.03.18	2145.04.18	2145.06.18
7x0.75mm²	2146.02.18	2146.03.18	2146.04.18	2146.06.18
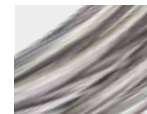
Suspension + Transparent Cable Supply 4000mm

|	2 susp.	3 susp.	4 susp.	6 susp.
9x0.75mm²	2147.02.00	2147.03.00	2147.04.00	2147.06.00

Ready To Go profiles - Options

Profile coating colors

4 colors are standard available: White, Black, Grey and Anthracite (Matt Texture)
Other colors on request (minimum order 3 meters)

15 **Corten**
650.99.15

16 **Gold Matt**
650.99.16

24 **Old Matt Copper**
650.99.24

25 **Smoked Brown**
650.99.25
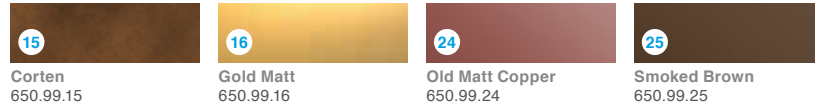
Connectors

Ready To Go profiles can be joined together, using 90° or 180° connectors.

When joining your Ready To Go profiles with a **180° connector**, the connected result will have one power supply cable, unless specifically requested otherwise.
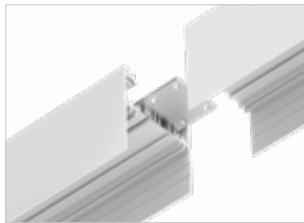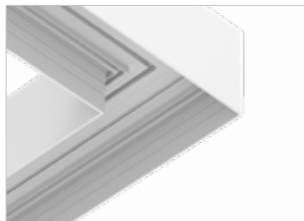
RTG 180° connectors

R35 Connector 180°	2166.00.00
R47 Connector 180°	2131.00.00
R65 Connector 180°	2177.00.00
R66 Connector 180°	2177.00.00
R80 Connector 180°	2113.00.00
R85 Connector 180°	2183.00.00
R170 Connector 180°	2188.00.00
R40 Recessed Connector 180°	2197.00.00
R45 Recessed Connector 180°	725.00.00
R65 Recessed Connector 180°	725.00.00
R100 Recessed Connector 180°	2206.00.00
R40 Trimless Connector 180°	2195.00.00
R100 Trimless Connector 180°	2199.00.00
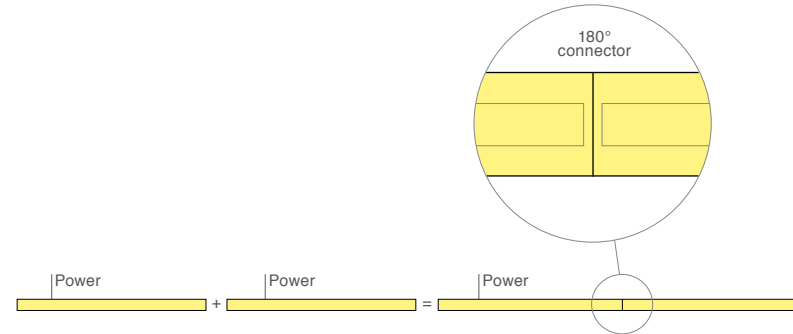
When joining your Ready To Go profiles with a **90° connector**, take into consideration that both your joined profile lengths will be extended to create the corner. The extension depends on the profile model.

RTG 90° connectors

		extension
R35 Connector 90°	2165.00.00	+ 14mm
R47 Connector 90°	2130.00.00	+ 20mm
R65 Connector 90°	2176.00.00	+ 28mm
R66 Connector 90°	2176.00.00	+ 28mm
R80 Connector 90°	2112.00.00	+ 36mm
R85 Connector 90°	2182.00.00	+ 38mm
R170 Connector 90°	2187.00.00	+ 85mm
R40 Recessed Connector 90°	2196.00.00	+ 27mm
R45 Recessed Connector 90°	724.00.00	+ 24mm
R65 Recessed Connector 90°	724.00.00	+ 35mm
R100 Recessed Connector 90°	2205.00.00	+ 75mm
R40 Trimless Connector 90°	2194.00.00	+ 24mm
R100 Trimless Connector 90°	2198.00.00	+ 72mm
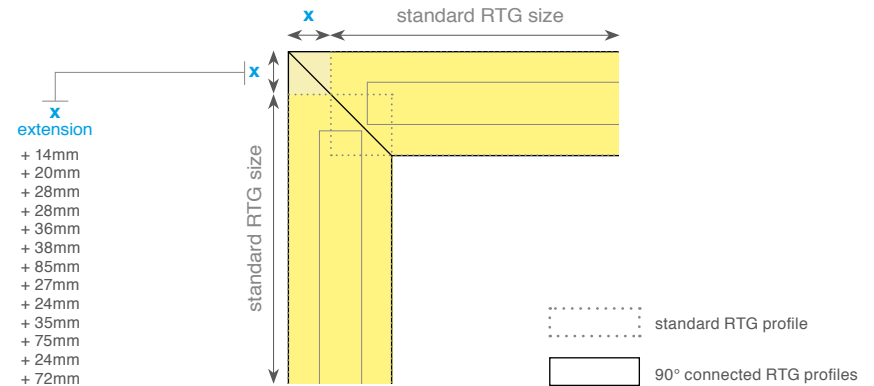
To ensure a sleek design, all 90° corners have only one diagonal cut.

180°
connector

Power + Power = Power

x   standard RTG size

x

x
extension

standard RTG size

standard RTG profile

90° connected RTG profiles

Wiring information

Single circuit

Non dimmable	1-10V dimmable	Touch & DALI dimmable

Non dimmable

Brown — L
Yellow-Green — PE
Blue — N

1-10V dimmable

Grey — 1-10V −
Black — 1-10V +
Yellow-Green — PE
Blue — N
Brown — L

Touch & DALI dimmable

Grey — DA − / N
Black — DA + / Push Btn L
Yellow-Green — PE
Blue — N
Brown — L

Double circuit direct/indirect 7-wire*

Non dimmable (standard for wall & suspended)	1-10V dimmable (for suspended only*)	Touch & DALI dimmable (for suspended only*)

Non dimmable (standard for wall & suspended)

Grey — N2 (Indirect)
Black — L2 (Indirect)
Yellow-Green — PE
Blue — N1 (Direct)
Brown — L1 (Direct)

1-10V dimmable (for suspended only*)

Brown — L (Direct)
Yellow-Green — PE
Blue — N (Direct)

Grey — 1-10V − (common)
Black — 1-10V + (common)
Yellow-Green —
White — N (Indirect)
Red — L (Indirect)

Touch & DALI dimmable (for suspended only*)

Brown — L (common)
Yellow-Green — PE
Blue — N (common)

Grey — DA − / N (Direct)
Black — DA + / Push Btn L (Direct)
Yellow-Green —
White — DA − / N (Indirect)
Red — DA + / Push Btn L (Indirect)

*Double Circuit Dimming Notice!

Suspended profiles w/ 1-10V double circuit direct/indirect dimming:
- 7-wire cable (standard):
- 1 common input for 1 dimming level
  (direct & indirect dim together at the same level)
- 2 separated power inputs for separate switching
  (direct & indirect can be switched independently)

9-wire cable (optional):
9x0.75mm2 2000mm transp. cable   2147.00.00
- 2 separated inputs for dimming AND switching (direct & indirect dim
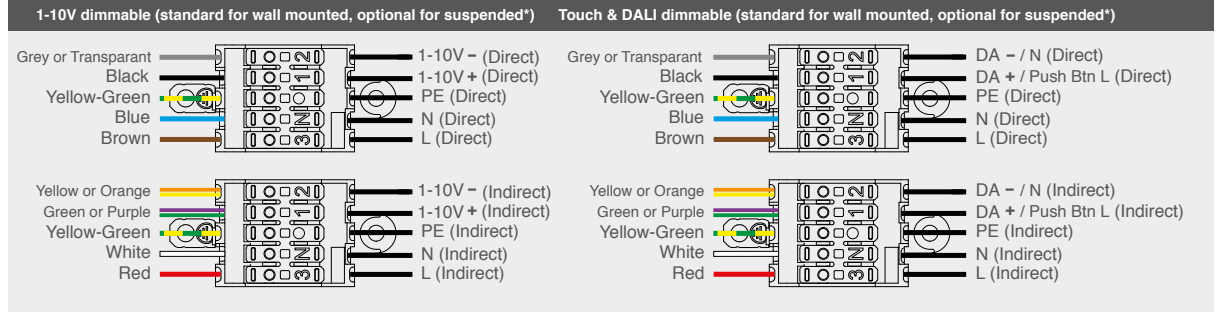 at different levels and can be switched independently)

Suspended profiles w/ Touch&DALI double circuit direct/indirect dim:
- 7-wire cable (standard):
- 1 common input for continuous power supply
- 2 separated inputs for controlling with DALI or Touch dim. (direct &
  indirect dim at different levels and can be switched independently)

9-wire cable (optional):
9x0.75mm2 2000mm transp. cable   2147.00.00
- 2 separated inputs for continuous power supply
- 2 separated inputs for controlling with DALI or Touch dim. (direct &
  indirect dim at different levels and can be switched independently)
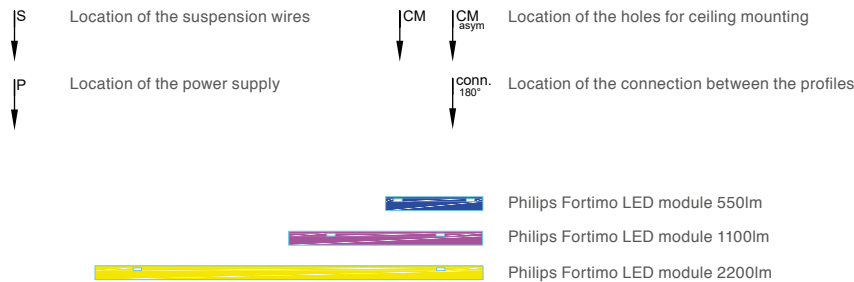
Double circuit direct/indirect 9-wire* (standard for wall mounted profiles, optional for suspended profiles)

1-10V dimmable (standard for wall mounted, optional for suspended*)	Touch & DALI dimmable (standard for wall mounted, optional for suspended*)

1-10V dimmable (standard for wall mounted, optional for suspended*)

Grey or Transparant — 1-10V − (Direct)
Black — 1-10V + (Direct)
Yellow-Green — PE (Direct)
Blue — N (Direct)
Brown — L (Direct)

Yellow or Orange — 1-10V − (Indirect)
Green or Purple — 1-10V + (Indirect)
Yellow-Green — PE (Indirect)
White — N (Indirect)
Red — L (Indirect)

Touch & DALI dimmable (standard for wall mounted, optional for suspended*)

Grey or Transparant — DA − / N (Direct)
Black — DA + / Push Btn L (Direct)
Yellow-Green — PE (Direct)
Blue — N (Direct)
Brown — L (Direct)

Yellow or Orange — DA − / N (Indirect)
Green or Purple — DA + / Push Btn L (Indirect)
Yellow-Green — PE (Indirect)
White — N (Indirect)
Red — L (Indirect)

Technical drawings

**For detailed technical drawings of all Ready To Go profiles,
please check www.doxis.be**

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| 75W driver | 75W driver |
| UP module length: 1700 | DOWN module length: 1825 |

IP

15

R66.25 UP - 3548mm - 13750lm

Click profile length: 1700   Click profile length: 1825

Total length click profiles combined: 3527

U&D 1 circuit: Left half: 2x 75W driver   U&D 1 circuit: Right half: 2x 75W driver

11   1590   100   100   1732   11

148

17 CM   IP IS

| 75W driver | 75W driver |
| DOWN module length: 1683 | DOWN module length: 1825 |

IS CM asym   conn. 180°   CM asym   IS   IS   CM

14,6   14,6

R66.25 DOWN - 3548mm - 13750lm

1701 (excl. end caps)   1843 (excl. end caps)

3548 (incl. end caps)

IS Location of the suspension wires   CM CM asym Location of the holes for ceiling mounting

IP Location of the power supply   conn. 180° Location of the connection between the profiles

Philips Fortimo LED module 550lm

Philips Fortimo LED module 1100lm

Philips Fortimo LED module 2200lm

Installation notice

Make sure your luminaires are installed by certified electricians.
Make sure enough fixation points are used.
Make sure correct plugs and fixation screws are used for different types of ceilings.
Doxis cannot be held responsible for incorrect installation.

**Attention!
Aluminium profiles will extend
when warming up.**

*The extension is 0.5mm per meter. This should be taken into consideration for wall mounting, recessed mounting, trimless mounting and ceiling mounting applications.
Extension gaps should be provided.*

Suspension sets

Textile power supply (polyester)

Black textile power supply

White textile power supply

Grey textile power supply

LEDLiner Suspension

Suspension cable for LEDLiner profiles
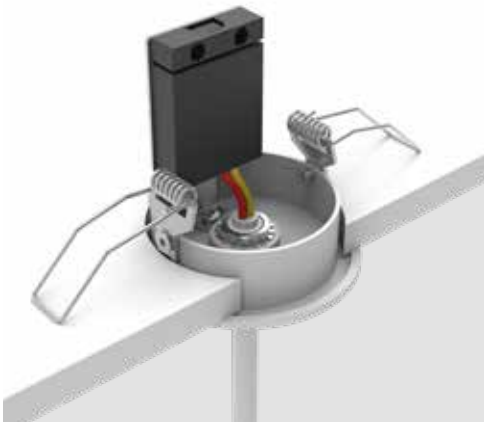
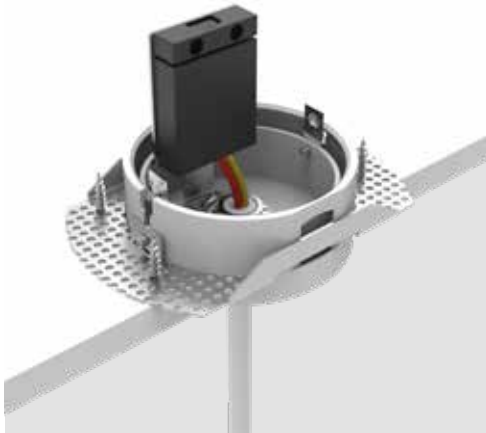## Standard ceiling connecting boxes
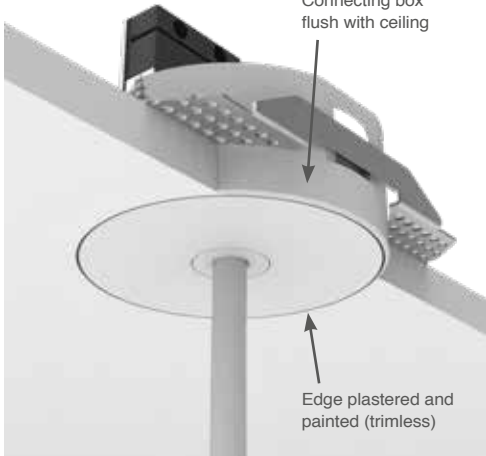

Standard ceiling connecting box (Square)

Standard ceiling connecting box (Round)

Optional Ceiling connecting boxes

Recessed connecting box

Connecting box
with discrete trim
(recessed in ceiling)

Trimless connecting box

Connecting box
flush with ceiling

Edge plastered and
painted (trimless)

Integrated
strain relief

Full Moon diffusion
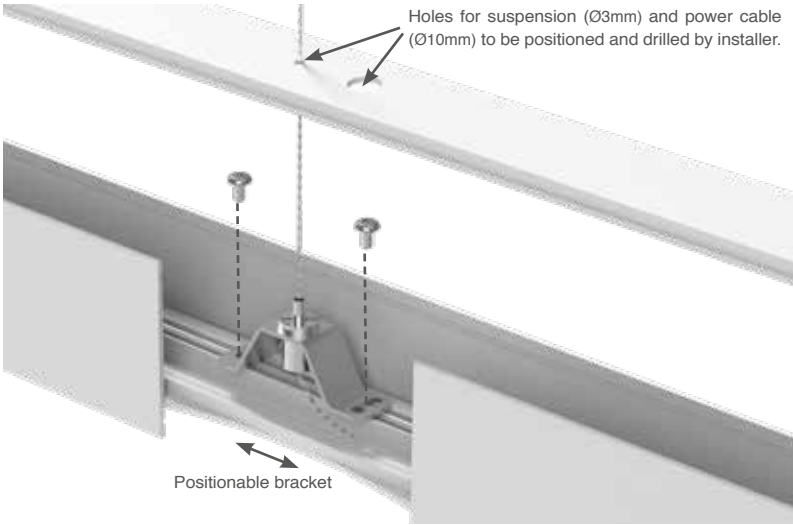
Standard Diffusion

Optimal Diffusion

Standard Diffusion:
LED Lines are slightly visible through the Polycarbonate cover.
The effect can be compared to the Full Moon with T5 Tubes.
Less components are used so this configuration is a litle more budget friendly.
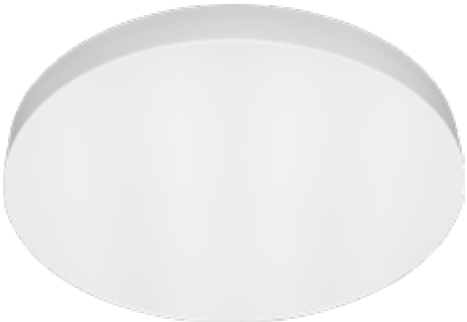
Optimal Diffusion:
The use of more components results in a very clean diffusion, LEDs are no longer visible.
The complete surface of the polycarbonate cover is equally lit.

LED Technology and efficiëncy improves rapidly. For the latest technical info please visit www.doxis.be.

LEDLiner35 suspension

Holes for suspension (Ø3mm) and power cable (Ø10mm) to be positioned and drilled by installer.

Positionable bracket

Wall Mounting bracket

Diameter: 35mm

Distance from wall: 10mm