

Sistemas de Controlo de Iluminação



NORMALIT
by Normagrup



Sistemas de Controlo de Iluminação

Na Normalit entendemos que a luz não deve apenas acender e apagar, mas sim adaptar-se às pessoas e aos espaços de forma inteligente, eficiente e flexível. Por isso, integramos nas nossas soluções os sistemas de controlo mais inovadores do mercado: **Casambi, Helvar ActiveAhead e EasyAir.**

Estes sistemas permitem gerir a iluminação de forma **sem fios e autónoma**, otimizando o consumo energético e aumentando a sensação de conforto. Além disso, oferecem um leque de possibilidades para todo o tipo de projetos, desde escritórios e hospitais até centros educativos e espaços industriais.

Com eles, a iluminação transforma-se numa ferramenta viva que melhora o **bem-estar**, facilita a **gestão** e garante uma **utilização mais sustentável da energia.**



 CASAMBI

 **Helvar** ACTIVEAHEAD

 EasyAir

NORMALIT

Iluminação técnica e arquitetónica



normalit.com



EasyAir

CASAMBI

Helvar ACTIVEAHEAD

Tipo de controlo	WIRELESS	WIRELESS	WIRELESS
Protocolo	Bluetooth Low Energy (BLE)* Zigbee*	Bluetooth Low Energy (BLE)	Bluetooth Low Energy (BLE)
Controlo de dimming	Sim	Sim	Sim
Tunable white (branco regulável)	Sim	Sim	Sim
Controlo baseado em presença (detetor de presença)	Sim	Sim	Sim
Controlo baseado na luz natural (sensor de luz)	Sim	Sim	Sim
Personalização de cenas	Não	Sim	Sim
Hierarquias	Não	Sim	Sim
Ritmo circadiano	Não	Sim	Sim
Programação horária	Não	Sim	Sim
App de controlo	Disponível para dispositivos iOS e Android	Disponível para dispositivos iOS e Android	Disponível para dispositivos iOS e Android
Controlo remoto	Não	Sim	Sim
Tipo de instalação	Redes até 100 dispositivos (controlo de sala)	Redes até 250 dispositivos (controlo de sala, controlo de edifício e controlo multisite)	Redes até 250 dispositivos (controlo de sala, controlo de edifício e controlo multisite)
Tipo de ecossistema	Fechado	Aberto - Casambi Ready	Fechado
Possibilidade de rede híbrida	Sim	Sim	Sim
Compatibilidade	DALI, 1-10, 0-10	DALI, 1-10, 0-10, corte de fase (Phase-cut), PWM	DALI, 1-10, 0-10, HVAC, BMS

* Bluetooth Low Energy (BLE) para configuração e parametrização através da app Master Connect.

* Zigbee para comunicação entre os nodos.

Controlo Integrado Autónomo

NORMALIT

Iluminação técnica e arquitetónica

Downlights encastrar



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*Embora as nossas luminárias estejam preparadas para funcionar com estes sistemas, não fornecemos serviços de colocação em funcionamento, configuração ou consultoria especializada para os próprios sistemas de controlo.

Downlights encastrar

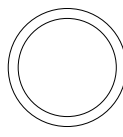
Elit



A ELIT é a família de downlights encastráveis de elevado valor acrescentado da NormaLit. O seu conceção, as suas características e a amplitude do seu catálogo fazem dela a downlight ideal para qualquer tipo de projeto.



Sensor version



Elit
Ø230 mm

Encastrado no teto

CASAMBI

Elit

Encastrado no teto

 L80B10
60.000 h
CRI
>80
 95-100°
Rendimento (%)
95,4

Segurança fotobiológica


 RG1*  1 Risco reduzido

* Tempo inferior a 3 h olhando para a fonte de luz


LED CE RoHS REFC

CASAMBI


 SEM DIFUSOR

	K	REF.	W	LUMEN	
IP 20	3000	EL23CB	11,8 W	1930 lm	○
		EL33CB	17,4 W	2650 lm	○
UGR 19	4000	EL43CB	25,1 W	3580 lm	○
		EL24CB	11,8 W	2050 lm	○
		EL34CB	17,4 W	2850 lm	○
		EL44CB	25,1 W	3780 lm	○

 DIFUSOR TRANSPARENTE

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23CTB	11,8 W	1930 lm	○
		EL33CTB	17,4 W	2650 lm	○
UGR 19	4000	EL43CTB	25,1 W	3580 lm	○
		EL24CTB	11,8 W	2050 lm	○
		EL34CTB	17,4 W	2850 lm	○
		EL44CTB	25,1 W	3780 lm	○

 DIFUSOR OPAL

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23COB	11,8 W	1930 lm	○
		EL33COB	17,4 W	2650 lm	○
UGR 22	4000	EL43COB	25,1 W	3580 lm	○
		EL24COB	11,8 W	2050 lm	○
		EL34COB	17,4 W	2850 lm	○
		EL44COB	25,1 W	3780 lm	○

© SEM DIFUSOR

	K	REF.	W	LUMEN	
IP 20	3000	EL23CSB	11,8 W	1930 lm	○
		EL33CSB	17,4 W	2650 lm	○
		EL43CSB	25,1 W	3580 lm	○
UGR 19	4000	EL24CSB	11,8 W	2050 lm	○
		EL34CSB	17,4 W	2850 lm	○
		EL44CSB	25,1 W	3780 lm	○


© DIFUSOR TRANSPARENTE

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23CSTB	11,8 W	1930 lm	○
		EL33CSTB	17,4 W	2650 lm	○
		EL43CSTB	25,1 W	3580 lm	○
UGR 19	4000	EL24CSTB	11,8 W	2050 lm	○
		EL34CSTB	17,4 W	2850 lm	○
		EL44CSTB	25,1 W	3780 lm	○


© DIFUSOR OPAL

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23CSOB	11,8 W	1930 lm	○
		EL33CSOB	17,4 W	2650 lm	○
		EL43CSOB	25,1 W	3580 lm	○
UGR 22	4000	EL24CSOB	11,8 W	2050 lm	○
		EL34CSOB	17,4 W	2850 lm	○
		EL44CSOB	25,1 W	3780 lm	○


☉ SEM DIFUSOR

	K	REF.	W	LUMEN	
IP 20	3000	EL23HB	11,8 W	1930 lm	○
		EL33HB	17,4 W	2650 lm	○
UGR 19	4000	EL43HB	25,1 W	3580 lm	○
		EL24HB	11,8 W	2050 lm	○
		EL34HB	17,4 W	2850 lm	○
		EL44HB	25,1 W	3780 lm	○

☉ DIFUSOR TRANSPARENTE

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23HTB	11,8 W	1930 lm	○
		EL33HTB	17,4 W	2650 lm	○
UGR 19	4000	EL43HTB	25,1 W	3580 lm	○
		EL24HTB	11,8 W	2050 lm	○
		EL34HTB	17,4 W	2850 lm	○
		EL44HTB	25,1 W	3780 lm	○

☉ DIFUSOR OPAL

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23HOB	11,8 W	1930 lm	○
		EL33HOB	17,4 W	2650 lm	○
UGR 22	4000	EL43HOB	25,1 W	3580 lm	○
		EL24HOB	11,8 W	2050 lm	○
		EL34HOB	17,4 W	2850 lm	○
		EL44HOB	25,1 W	3780 lm	○

Elit

CASAMBI

Helvar ACTIVEAHEAD
+ SENSOR

☉ SEM DIFUSOR

	K	REF.	W	LUMEN	
IP 20	3000	EL23HSB	11,8 W	1930 lm	○
		EL33HSB	17,4 W	2650 lm	○
		EL43HSB	25,1 W	3580 lm	○
UGR 19	4000	EL24HSB	11,8 W	2050 lm	○
		EL34HSB	17,4 W	2850 lm	○
		EL44HSB	25,1 W	3780 lm	○


☉ DIFUSOR TRANSPARENTE

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23HSTB	11,8 W	1930 lm	○
		EL33HSTB	17,4 W	2650 lm	○
		EL43HSTB	25,1 W	3580 lm	○
UGR 19	4000	EL24HSTB	11,8 W	2050 lm	○
		EL34HSTB	17,4 W	2850 lm	○
		EL44HSTB	25,1 W	3780 lm	○


☉ DIFUSOR OPAL

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23HSOB	11,8 W	1930 lm	○
		EL33HSOB	17,4 W	2650 lm	○
		EL43HSOB	25,1 W	3580 lm	○
UGR 22	4000	EL24HSOB	11,8 W	2050 lm	○
		EL34HSOB	17,4 W	2850 lm	○
		EL44HSOB	25,1 W	3780 lm	○


☉ SEM DIFUSOR

	K	REF.	W	LUMEN	
IP 20	3000	EL23P1B	11,8 W	1930 lm	○
		EL33P1B	17,4 W	2650 lm	○
		EL43P1B	25,1 W	3580 lm	○
UGR 19	4000	EL24P1B	11,8 W	2050 lm	○
		EL34P1B	17,4 W	2850 lm	○
		EL44P1B	25,1 W	3780 lm	○

☉ DIFUSOR TRANSPARENTE

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23P1TB	11,8 W	1930 lm	○
		EL33P1TB	17,4 W	2650 lm	○
		EL43P1TB	25,1 W	3580 lm	○
UGR 19	4000	EL24P1TB	11,8 W	2050 lm	○
		EL34P1TB	17,4 W	2850 lm	○
		EL44P1TB	25,1 W	3780 lm	○

☉ DIFUSOR OPAL

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23P1OB	11,8 W	1930 lm	○
		EL33P1OB	17,4 W	2650 lm	○
		EL43P1OB	25,1 W	3580 lm	○
UGR 22	4000	EL24P1OB	11,8 W	2050 lm	○
		EL34P1OB	17,4 W	2850 lm	○
		EL44P1OB	25,1 W	3780 lm	○

Elit

EasyAir

EasyAir
+ SENSOR

☉ SEM DIFUSOR

	K	REF.	W	LUMEN	
IP 20	3000	EL23PSB	11,8 W	1930 lm	○
		EL33PSB	17,4 W	2650 lm	○
UGR 19		EL43PSB	25,1 W	3580 lm	○
	4000	EL24PSB	11,8 W	2050 lm	○
		EL34PSB	17,4 W	2850 lm	○
		EL44PSB	25,1 W	3780 lm	○

☉ DIFUSOR TRANSPARENTE

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23PSTB	11,8 W	1930 lm	○
		EL33PSTB	17,4 W	2650 lm	○
UGR 19		EL43PSTB	25,1 W	3580 lm	○
	4000	EL24PSTB	11,8 W	2050 lm	○
		EL34PSTB	17,4 W	2850 lm	○
		EL44PSTB	25,1 W	3780 lm	○

☉ DIFUSOR OPAL

	K	REF.	W	LUMEN	
IP 20-54	3000	EL23PSOB	11,8 W	1930 lm	○
		EL33PSOB	17,4 W	2650 lm	○
UGR 22		EL43PSOB	25,1 W	3580 lm	○
	4000	EL24PSOB	11,8 W	2050 lm	○
		EL34PSOB	17,4 W	2850 lm	○
		EL44PSOB	25,1 W	3780 lm	○

Hat



A HAT é a última geração de downlights LED. Com apenas 44 mm de altura e um rendimento de 75%, possui capacidade para atingir os 2.435 lúmenes.

O HAT é um downlight compacto, de elevada eficiência de luz, com a versão DALI disponível e uma elevada expectativa de vida útil (EH1 54.000h L70B10 / EH2 72.000h L70B10).



Sensor version

Seis versões

Circular cut, two of them with square frame diameter



Encastrado no teto

Hat

Encastrado no teto

LED CE RoHS ENEC

L80B10
EH1: **54,000 h**
EH2: **72,000 h**

CRI **>80**

84°

Rendimento (%) **75,1**

Segurança fotobiológica

RG0 **0** Isento de risco

CASAMBI

	K	REF.	W	LUMEN	
IP 20-54	3000	EH13CB	13 W	1500 lm	○
		EH23CB	20,5 W	2300 lm	○
UGR 22	4000	EH14CB	13 W	1600 lm	○
		EH24CB	20,5 W	2400 lm	○
	5000	EH15CB	13 W	1625 lm	○
		EH25CB	20,5 W	2430 lm	○
	6000	EH16CB	13 W	1625 lm	○
		EH26CB	20,5 W	2435 lm	○

CASAMBI + SENSOR

	K	REF.	W	LUMEN	
IP 20-54	3000	EH13CSB	13 W	1500 lm	○
		EH23CSB	20,5 W	2300 lm	○
UGR 22	4000	EH14CSB	13 W	1600 lm	○
		EH24CSB	20,5 W	2400 lm	○
	5000	EH15CSB	13 W	1625 lm	○
		EH25CSB	20,5 W	2430 lm	○
	6000	EH16CSB	13 W	1625 lm	○
		EH26CSB	20,5 W	2435 lm	○

CASAMBI TW*

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	EH1TWCB	13 W	1600 lm	○
		EH2TWCB	20,5 W	2400 lm	○
UGR 22					

CASAMBI TW* + SENSOR

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	EH1TWCSB	13 W	1600 lm	○
		EH2TWCSB	20,5 W	2400 lm	○
UGR 22					

*Tunable White lighting

Helvar ACTIVEAHEAD

Hat

Helvar ACTIVEAHEAD

	K	REF.	W	LUMEN	
IP 20-54	3000	EH13HB	13 W	1500 lm	○
		EH23HB	20,5 W	2300 lm	○
UGR 22	4000	EH14HB	13 W	1600 lm	○
		EH24HB	20,5 W	2400 lm	○
	5000	EH15HB	13 W	1625 lm	○
		EH25HB	20,5 W	2430 lm	○
	6000	EH16HB	13 W	1625 lm	○
		EH26HB	20,5 W	2435 lm	○

Helvar ACTIVEAHEAD SENSOR

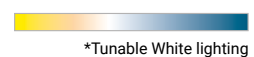
	K	REF.	W	LUMEN	
IP 20-54	3000	EH13HSB	13 W	1500 lm	○
		EH23HSB	20,5 W	2300 lm	○
UGR 22	4000	EH14HSB	13 W	1600 lm	○
		EH24HSB	20,5 W	2400 lm	○
	5000	EH15HSB	13 W	1625 lm	○
		EH25HSB	20,5 W	2430 lm	○
	6000	EH16HSB	13 W	1625 lm	○
		EH26HSB	20,5 W	2435 lm	○

Helvar ACTIVEAHEAD TW*

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	EH1TWHB	13 W	1600 lm	○
		EH2TWHB	20,5 W	2400 lm	○
UGR 22					

Helvar ACTIVEAHEAD TW* + SENSOR

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	EH1TWHSB	13 W	1600 lm	○
		EH2TWHSB	20,5 W	2400 lm	○
UGR 22					



*Tunable White lighting

Hat

EasyAir

EasyAir

	K	REF.	W	LUMEN	
IP 20-54	3000	EH13P1B	13 W	1500 lm	○
		EH23P1B	20,5 W	2300 lm	○
UGR 22	4000	EH14P1B	13 W	1600 lm	○
		EH24P1B	20,5 W	2400 lm	○
	5000	EH15P1B	13 W	1625 lm	○
		EH25P1B	20,5 W	2430 lm	○
	6000	EH16P1B	13 W	1625 lm	○
		EH26P1B	20,5 W	2435 lm	○

EasyAir + SENSOR

	K	REF.	W	LUMEN	
IP 20-54	3000	EH13PSB	13 W	1500 lm	○
		EH23PSB	20,5 W	2300 lm	○
UGR 22	4000	EH14PSB	13 W	1600 lm	○
		EH24PSB	20,5 W	2400 lm	○
	5000	EH15PSB	13 W	1625 lm	○
		EH25PSB	20,5 W	2430 lm	○
	6000	EH16PSB	13 W	1625 lm	○
		EH26PSB	20,5 W	2435 lm	○



Polart

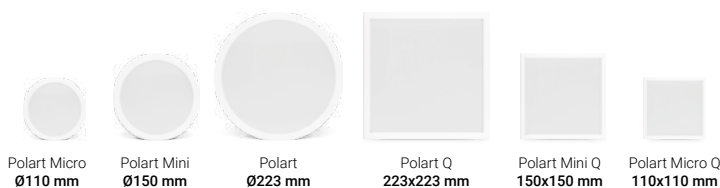


Polart é a nova gama de downlights LED da Normalit, inspirada num estilo visual contemporâneo e pensada para oferecer novas possibilidades estéticas através de um design de iluminação minimalista e sustentável.



Sensor version

Seis versões



Polart Micro
Ø110 mm

Polart Mini
Ø150 mm

Polart
Ø223 mm

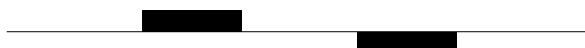
Polart Q
223x223 mm

Polart Mini Q
150x150 mm

Polart Micro Q
110x110 mm

Encastrado no teto

Aplicado no teto



Polart

Encastrado no teto

LED CE RoHS

L80B10
72,000 h

CRI
>80

114°

Rendimento (%)
74,1

Segurança fotobiológica
RG0 0 Isento de risco

CASAMBI

	K	REF.	W	LUMEN	
IP 20-52	3000	P023CB	17,9 W	2613 lm	○
	4000	P024CB	17,9 W	2750 lm	○
UGR 22	5000	P025CB	17,9 W	2790 lm	○
Selector de temperatura de cor	3000	P02XCB	17,9 W	2750 lm	○
	4000				
	5000				

CASAMBI + SENSOR

	K	REF.	W	LUMEN	
IP 20-52	3000	P023CSB	17,9 W	2613 lm	○
	4000	P024CSB	17,9 W	2750 lm	○
UGR 22	5000	P025CSB	17,9 W	2790 lm	○
Selector de temperatura de cor	3000	P02XCSB	17,9 W	2750 lm	○
	4000				
	5000				

CASAMBI TW*

	K	REF.	W	LUMEN	
IP 20-52	2700 - 6500	P02TWCB	17,9 W	2750 lm	○
UGR 22					

CASAMBI TW* + SENSOR

	K	REF.	W	LUMEN	
IP 20-52	2700 - 6500	P02TWCSB	17,9 W	2750 lm	○
UGR 22					


*Tunable White lighting

Helvar

ACTIVEAHEAD

Polart

Helvar

ACTIVEAHEAD

	K	REF.	W	LUMEN	
IP 20-52	3000	P023HB	17,9 W	2613 lm	<input type="radio"/>
	4000	P024HB	17,9 W	2750 lm	<input type="radio"/>
UGR 22	5000	P025HB	17,9 W	2790 lm	<input type="radio"/>
		P02XHB	17,9 W	2750 lm	<input type="radio"/>

Selector de temperatura de cor

- 3000
- 4000
- 5000

Helvar

ACTIVEAHEAD

+ SENSOR

	K	REF.	W	LUMEN	
IP 20-52	3000	P023HSB	17,9 W	2613 lm	<input type="radio"/>
	4000	P024HSB	17,9 W	2750 lm	<input type="radio"/>
UGR 22	5000	P025HSB	17,9 W	2790 lm	<input type="radio"/>
		P02XHSB	17,9 W	2750 lm	<input type="radio"/>

Selector de temperatura de cor

- 3000
- 4000
- 5000

Helvar

ACTIVEAHEAD

TW *

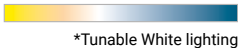
	K	REF.	W	LUMEN	
IP 20-52	2700 - 6500	P02TWHB	17,9 W	2750 lm	<input type="radio"/>
UGR 22					

Helvar

ACTIVEAHEAD

TW* + SENSOR

	K	REF.	W	LUMEN	
IP 20-52	2700 - 6500	P02TWHB	17,9 W	2750 lm	<input type="radio"/>
UGR 22					



Polart

EasyAir

EasyAir

	K	REF.	W	LUMEN	
IP 20-52	3000	P023P1B	17,9 W	2613 lm	<input type="radio"/>
	4000	P024P1B	17,9 W	2750 lm	<input type="radio"/>
UGR 22	5000	P025P1B	17,9 W	2790 lm	<input type="radio"/>
		P025P1B	17,9 W	2750 lm	<input type="radio"/>

Selector de temperatura de cor

- 3000
- 4000
- 5000

EasyAir + SENSOR

	K	REF.	W	LUMEN	
IP 20-52	3000	P023PSB	17,9 W	2613 lm	<input type="radio"/>
	4000	P024PSB	17,9 W	2750 lm	<input type="radio"/>
UGR 22	5000	P025PSB	17,9 W	2790 lm	<input type="radio"/>
		P02XPSB	17,9 W	2750 lm	<input type="radio"/>

Selector de temperatura de cor

- 3000
- 4000
- 5000



Painéis LED

Nassel Avant



A NASSEL AVANT é um painel LED de corpo metálico e com um sistema multirrefletor plástico que proporciona uma luz uniforme e confortável no local de trabalho.



Sensor version

Dois tamanhos



594x594 mm



1194x294 mm

Encastrado no teto



CASAMBI

Encastrado no teto

Nassel Avant

L80B10
61,000 h

CRI
>80

77°

Rendimento (%)
73

Segurança fotobiológica

RG0 0 Isento de risco

LED CE RoHS ENEC

CASAMBI

600 × 600

	K	REF.	W	LUMEN	
IP 20-44	3000	NX33CB	27 W	4800 lm	○
UGR 16	4000	NX34CB	27 W	5000 lm	○

1200 × 300

	K	REF.	W	LUMEN	
	3000	NX43CB	27 W	4800 lm	○
	4000	NX44CB	27 W	5000 lm	○

CASAMBI + SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-44	3000	NX33CSB	27 W	4800 lm	○
UGR 16	4000	NX34CSB	27 W	5000 lm	○

1200 × 300

	K	REF.	W	LUMEN	
	3000	NX43CSB	27 W	4800 lm	○
	4000	NX44CSB	27 W	5000 lm	○

CASAMBI TW*

600 × 600

	K	REF.	W	LUMEN	
IP 20-44	2700 - 6500	NX3TWCB	27 W	4800 lm	○
UGR 16					

1200 × 300

	K	REF.	W	LUMEN	
	2700 - 6500	NX4TWCB	27 W	4800 lm	○

CASAMBI TW* + SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-44	2700 - 6500	NX3TWCSB	27 W	4800 lm	○
UGR 16					

1200 × 300

	K	REF.	W	LUMEN	
	2700 - 6500	NX4TWCSB	27 W	4800 lm	○



*Tunable White lighting

Nassel Avant

Helvar ACTIVEAHEAD

Helvar ACTIVEAHEAD

600 × 600

	K	REF.	W	LUMEN	
IP 20-44	3000	NX33HB	27 W	4800 lm	○
	4000	NX34HB	27 W	5000 lm	○
UGR 16					

1200 × 300

	K	REF.	W	LUMEN	
	3000	NX43HB	27 W	4800 lm	○
	4000	NX44HB	27 W	5000 lm	○

Helvar ACTIVEAHEAD

+ SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-44	3000	NX33HSB	27 W	4800 lm	○
	4000	NX34HSB	27 W	5000 lm	○
UGR 16					

1200 × 300

	K	REF.	W	LUMEN	
	3000	NX43HSB	27 W	4800 lm	○
	4000	NX44HSB	27 W	5000 lm	○

Helvar ACTIVEAHEAD

TW*

600 × 600

	K	REF.	W	LUMEN	
IP 20-44	2700 - 6500	NX3TWHB	27 W	5000 lm	○
UGR 16					

1200 × 300

	K	REF.	W	LUMEN	
	6500-2700	NX4TWHB	27 W	5000 lm	○

Helvar ACTIVEAHEAD

TW* + SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-44	2700 - 6500	NX3TWHSB	27 W	4800 lm	○
UGR 16					

1200 × 300

	K	REF.	W	LUMEN	
	2700 - 6500	NX4TWHSB	27 W	4800 lm	○



*Tunable White lighting

EasyAir

Nassel Avant

EasyAir

600 × 600

	K	REF.	W	LUMEN	
IP 20-44	3000	NX33P1B	27 W	4800 lm	○
	4000	NX34P1B	27 W	5000 lm	○
UGR 16					

1200 × 300

	K	REF.	W	LUMEN	
IP 20-44	3000	NX43P1B	27 W	4800 lm	○
	4000	NX44P1B	27 W	5000 lm	○

EasyAir + SENSOR

600 × 600

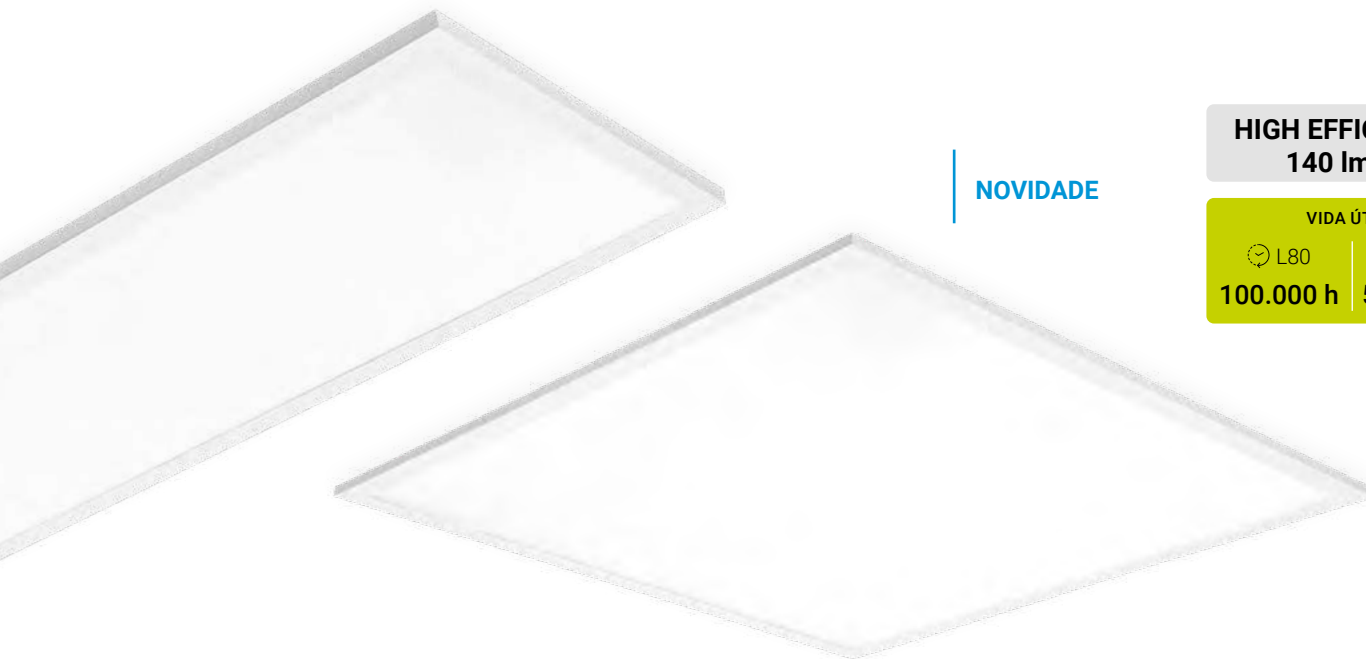
	K	REF.	W	LUMEN	
IP 20-44	3000	NX33PSB	27 W	4800 lm	○
	4000	NX34PSB	27 W	5000 lm	○
UGR 16					

1200 × 300

	K	REF.	W	LUMEN	
IP 20-44	3000	NX43PSB	27 W	4800 lm	○
	4000	NX44PSB	27 W	5000 lm	○



Zenith



NOVIDADE

HIGH EFFICIENCY
140 lm/W

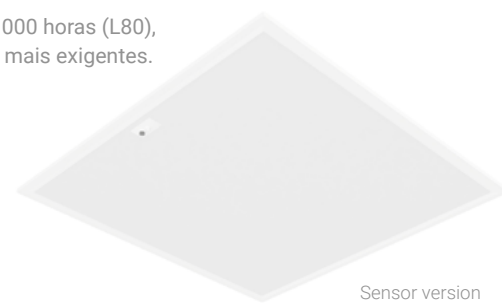
VIDA ÚTIL

L80	L90
100.000 h	50.000 h

A nova gama de luminárias ZENITH, concebida para tetos modulares e disponível em dois tamanhos: 600x600 e 1200x300.

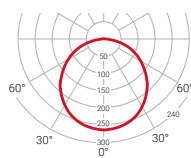
Com uma eficiência de 140 lm/W e uma vida útil de até 100 000 horas (L80), ZENITH é a solução perfeita para os projetos de iluminação mais exigentes.

Duas versões



UGR
19

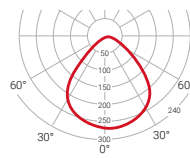
Difusor em
PS técnico



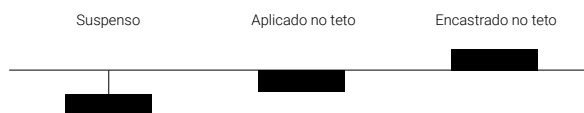
— CO-C180
— C90-C270 $\eta=87\%$

UGR
16

Difusor em PMMA
microprismático



— CO-C180
— C90-C270 $\eta=82\%$



Encastrado no teto

Suspensão

Aplicado no teto

LED    

 L80 |  L90
100.000 h | 50.000 h

CRI
>80

 91-114°




Rendimento (%)
87 Difusor PS
82 Difusor PMMA

Segurança fotobiológica




RG0  0 Isento de risco




CASAMBI




600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33CGB	24 W	4815 lm	
	4000	ZH34CGB	24 W	4915 lm	
UGR 16					

1200 × 300




	K	REF.	W	LUMEN	
3000		ZH43CGB	24 W	4815 lm	
	4000	ZH44CGB	24 W	4915 lm	

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33CB	24 W	4815 lm	
	4000	ZH34CB	24 W	4915 lm	
UGR 19					




	K	REF.	W	LUMEN	
3000		ZH43CB	24 W	4815 lm	
	4000	ZH44CB	24 W	4815 lm	




CASAMBI + SENSOR


600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33CSGB	24 W	4100 lm	
	4000	ZH34CSGB	24 W	4255 lm	
UGR 16					

1200 × 300

	K	REF.	W	LUMEN	
3000		ZH43CSGB	24 W	4030 lm	
	4000	ZH44CSGB	24 W	4030 lm	

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33CSB	24 W	4100 lm	
	4000	ZH34CSB	24 W	4255 lm	
UGR 19					

	K	REF.	W	LUMEN	
3000		ZH43CSB	24 W	4030 lm	
	4000	ZH44CSB	24 W	4180 lm	

Zenith

CASAMBI TW*

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH3TWCGB	24 W	4255 lm	○
	UGR 16				

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH3TWCB	24 W	4255 lm	○
	UGR 19				

1200 × 300

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH4TWCGB	24 W	4180 lm	○
	UGR 16				

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH4TWCB	24 W	4180 lm	○
	UGR 19				

CASAMBI TW* + SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH3TWC ^{SG} B	24 W	4255 lm	○
	UGR 16				

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH3TWC ^S B	24 W	4255 lm	○
	UGR 19				

1200 × 300

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH4TWC ^{SG} B	24 W	4180 lm	○
	UGR 16				

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH4TWC ^S B	24 W	4180 lm	○
	UGR 19				



*Tunable White lighting

Helvar ACTIVEAHEAD

Zenith

Helvar ACTIVEAHEAD

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33HGB	24 W	4100 lm	○
	4000	ZH34HGB	24 W	4255 lm	○
UGR 16					

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33HB	24 W	4100 lm	○
	4000	ZH34HB	24 W	4255 lm	○
UGR 19					

1200 × 300

	K	REF.	W	LUMEN	
	3000	ZH43HGB	24 W	4030 lm	○
	4000	ZH44HGB	24 W	4180 lm	○

	K	REF.	W	LUMEN	
	3000	ZH43HB	24 W	4030 lm	○
	4000	ZH44HB	24 W	4180 lm	○

Helvar ACTIVEAHEAD

+ SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33HSGB	24 W	4100 lm	○
	4000	ZH34HSGB	24 W	4255 lm	○
UGR 16					

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33HSB	24 W	4100 lm	○
	4000	ZH34HSB	24 W	4255 lm	○
UGR 19					

1200 × 300

	K	REF.	W	LUMEN	
	3000	ZH43HSGB	24 W	4030 lm	○
	4000	ZH44HSGB	24 W	4180 lm	○

	K	REF.	W	LUMEN	
	3000	ZH43HSB	24 W	4030 lm	○
	4000	ZH44HSB	24 W	4180 lm	○

Zenith

Helvar ACTIVEAHEAD

Helvar ACTIVEAHEAD

TW*

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH3TWHGB	24 W	4255 lm	○

UGR
16

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH3TWHB	24 W	4255 lm	○

UGR
19

1200 × 300

	K	REF.	W	LUMEN	
	2700 - 6500	ZH4TWHGB	24 W	4180 lm	○

	K	REF.	W	LUMEN	
	2700 - 6500	ZH4TWHB	24 W	4180 lm	○

Helvar ACTIVEAHEAD

TW* + SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH3TWHSGB	24 W	4255 lm	○

UGR
16

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	ZH3TWHSB	24 W	4255 lm	○

UGR
19

1200 × 300

	K	REF.	W	LUMEN	
	2700 - 6500	ZH4TWHSGB	24 W	4180 lm	○

	K	REF.	W	LUMEN	
	2700 - 6500	ZH4TWHSB	24 W	4180 lm	○



*Tunable White lighting

EasyAir

Zenith

EasyAir

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33P1GB	24 W	4100 lm	○
	4000	ZH34P1GB	24 W	4255 lm	○

UGR
16

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33P1B	24 W	4100 lm	○
	4000	ZH34P1B	24 W	4255 lm	○

UGR
19

1200 × 300

	K	REF.	W	LUMEN	
	3000	ZH43P1GB	24 W	4030 lm	○
	4000	ZH44P1GB	24 W	4180 lm	○

	K	REF.	W	LUMEN	
	3000	ZH43P1B	24 W	4030 lm	○
	4000	ZH44P1B	24 W	4180 lm	○

EasyAir + SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33PSGB	24 W	4100 lm	○
	4000	ZH34PSGB	24 W	4255 lm	○

UGR
16

	K	REF.	W	LUMEN	
IP 20-54	3000	ZH33PSB	24 W	4100 lm	○
	4000	ZH34PSB	24 W	4255 lm	○

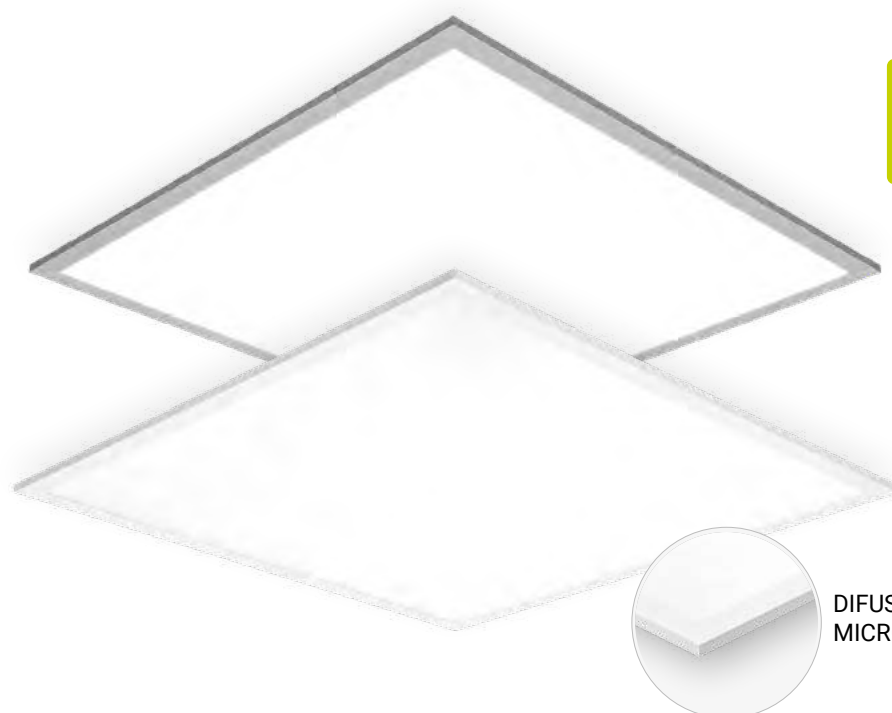
UGR
19

1200 × 300

	K	REF.	W	LUMEN	
	3000	ZH43PSGB	24 W	4030 lm	○
	4000	ZH44PSGB	24 W	4180 lm	○

	K	REF.	W	LUMEN	
	3000	ZH43PSB	24 W	4030 lm	○
	4000	ZH44PSB	24 W	4180 lm	○

Luzerna Avant



VIDA ÚTIL

L80

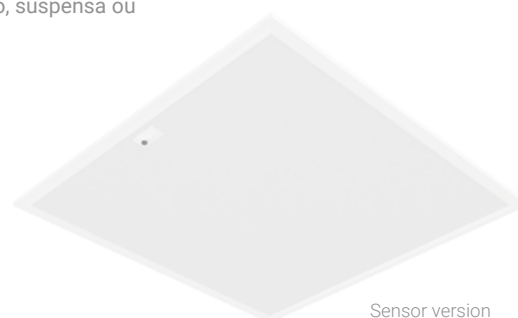
80,000 h

DIFUSOR
MICROPRISMÁTICO

Luminária LED para tetos modulares da Normalit que se apresenta em três execuções: 600 × 600, 1200 × 300 e 1200 × 600.

Para instalação encastrada em tetos de gesso, suspensa ou aplicada através de acessórios.

Duas versões

UGR
19Difusor em
PS técnicoUGR
16Difusor em PMMA
microprismático

Sensor version

Encastrado no teto



Encastrado no teto

L80B10
80,000 h

CRI
>80

91-114°

Rendimento (%)
77,74 Difusor PS
70,90 Difusor PMMA

Segurança fotobiológica
RG0 0 Isento de risco

LED CE RoHS ErP

CASAMBI

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33CGB	32 W	4700 lm	○
	4000	LX34CGB	32 W	5140 lm	○
UGR 16	5000	LX35CGB	32 W	5140 lm	○

1200 × 300

	K	REF.	W	LUMEN	
	3000	LX43CGB	32 W	4700 lm	○
	4000	LX44CGB	32 W	5140 lm	○
	5000	LX45CGB	32 W	5140 lm	○

1200 × 600

	K	REF.	W	LUMEN	
	3000	LX53CGB	64 W	9400 lm	○
	4000	LX54CGB	64 W	10280 lm	○
	5000	LX55CGB	64 W	10280 lm	○

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33CB	32 W	4700 lm	○
	4000	LX34CB	32 W	5140 lm	○
UGR 19	5000	LX35CB	32 W	5140 lm	○

1200 × 300

	K	REF.	W	LUMEN	
	3000	LX43CB	32 W	4700 lm	○
	4000	LX44CB	32 W	5140 lm	○
	5000	LX45CB	32 W	5140 lm	○

1200 × 600

	K	REF.	W	LUMEN	
	3000	LX53CB	64 W	9400 lm	○
	4000	LX54CB	64 W	10280 lm	○
	5000	LX55CB	64 W	10280 lm	○

Luzerna Avant

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33CSGB	32 W	4700 lm	○
	4000	LX34CSGB	32 W	5140 lm	○
UGR 16	5000	LX35CSGB	32 W	5140 lm	○

1200 × 300

	K	REF.	W	LUMEN	
	3000	LX43CSGB	32 W	4700 lm	○
	4000	LX44CSGB	32 W	5140 lm	○
	5000	LX45CSGB	32 W	5140 lm	○

1200 × 600

	K	REF.	W	LUMEN	
	3000	LX53CSGB	64 W	9400 lm	○
	4000	LX54CSGB	64 W	10280 lm	○
	5000	LX55CSGB	64 W	10280 lm	○

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33CSB	32 W	4700 lm	○
	4000	LX34CSB	32 W	5140 lm	○
UGR 19	5000	LX35CSB	32 W	5140 lm	○

1200 × 300

	K	REF.	W	LUMEN	
	3000	LX43CSB	32 W	4700 lm	○
	4000	LX44CSB	32 W	5140 lm	○
	5000	LX45CSB	32 W	5140 lm	○

1200 × 600

	K	REF.	W	LUMEN	
	3000	LX53CSB	64 W	9400 lm	○
	4000	LX54CSB	64 W	10280 lm	○
	5000	LX55CSB	64 W	10280 lm	○

CASAMBI
TW*

600 × 600

	K	REF.	W	LUMEN	
IP 20-54		LX3TWCGB	32 W	5140 lm	○
UGR	16				

	K	REF.	W	LUMEN	
IP 20-54		LX3TWCB	32 W	5140 lm	○
UGR	19				

1200 × 300

	K	REF.	W	LUMEN	
		LX4TWCGB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
		LX4TWCB	32 W	5140 lm	○

CASAMBI
TW* + SENSOR

600 × 600

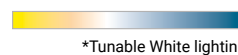
	K	REF.	W	LUMEN	
IP 20-54		LX3TWCSSGB	32 W	5140 lm	○
UGR	16				

	K	REF.	W	LUMEN	
IP 20-54		LX3TWCSSB	32 W	5140 lm	○
UGR	19				

1200 × 300

	K	REF.	W	LUMEN	
		LX4TWCSSGB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
		LX4TWCSSB	32 W	5140 lm	○



*Tunable White lighting

Luzerna Avant

Helvar ACTIVEAHEAD

Helvar ACTIVEAHEAD

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33HB	32 W	4700 lm	○
	4000	LX34HB	32 W	5140 lm	○
UGR 19	5000	LX35HB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33HGB	32 W	4700 lm	○
	4000	LX34HGB	32 W	5140 lm	○
UGR 16	5000	LX35HGB	32 W	5140 lm	○

1200 × 300

	K	REF.	W	LUMEN	
3000	3000	LX43HB	32 W	4700 lm	○
	4000	LX44HB	32 W	5140 lm	○
5000	5000	LX45HB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
3000	3000	LX43HGB	32 W	4700 lm	○
	4000	LX44HGB	32 W	5140 lm	○
5000	5000	LX45HGB	32 W	5140 lm	○

Helvar ACTIVEAHEAD

+ SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33HSB	32 W	4700 lm	○
	4000	LX34HSB	32 W	5140 lm	○
UGR 19	5000	LX35HSB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33HSGB	32 W	4700 lm	○
	4000	LX34HSGB	32 W	5140 lm	○
UGR 16	5000	LX35HSGB	32 W	5140 lm	○

1200 × 300

	K	REF.	W	LUMEN	
3000	3000	LX43HSB	32 W	4700 lm	○
	4000	LX44HSB	32 W	5140 lm	○
5000	5000	LX45HSB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
3000	3000	LX43HSGB	32 W	4700 lm	○
	4000	LX44HSGB	32 W	5140 lm	○
5000	5000	LX45HSGB	32 W	5140 lm	○

Helvar ACTIVEAHEAD

Luzerna Avant

Helvar ACTIVEAHEAD

TW*

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	LX3TWHGB	32 W	4700 lm	○
UGR	16				

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	LX3TWHB	32 W	5140 lm	○
UGR	19				

1200 × 300

	K	REF.	W	LUMEN	
	2700 - 6500	LX4TWHGB	32 W	4700 lm	○

	K	REF.	W	LUMEN	
	2700 - 6500	LX4TWHB	32 W	4700 lm	○

Helvar ACTIVEAHEAD

TW* + SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	LX3TWHSGB	32 W	4700 lm	○
UGR	16				

	K	REF.	W	LUMEN	
IP 20-54	2700 - 6500	LX3TWHSB	32 W	4700 lm	○
UGR	19				

1200 × 300

	K	REF.	W	LUMEN	
	2700 - 6500	LX4TWHSGB	32 W	4700 lm	○

	K	REF.	W	LUMEN	
	2700 - 6500	LX4TWHSB	32 W	4700 lm	○



*Tunable White lighting

Luzerna Avant

EasyAir

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33P1GB	32 W	4700 lm	○
	4000	LX34P1GB	32 W	5140 lm	○
	5000	LX35P1GB	32 W	5140 lm	○
UGR 16	3000	LX33P1GB	32 W	4700 lm	○
	4000	LX34P1GB	32 W	5140 lm	○
	5000	LX35P1GB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33P1B	32 W	4700 lm	○
	4000	LX34P1B	32 W	5140 lm	○
	5000	LX35P1B	32 W	5140 lm	○
UGR 19	3000	LX33P1B	32 W	4700 lm	○
	4000	LX34P1B	32 W	5140 lm	○
	5000	LX35P1B	32 W	5140 lm	○

1200 × 300

	K	REF.	W	LUMEN	
IP 20-54	3000	LX43P1GB	32 W	4700 lm	○
	4000	LX44P1GB	32 W	5140 lm	○
	5000	LX45P1GB	32 W	5140 lm	○
UGR 16	3000	LX43P1GB	32 W	4700 lm	○
	4000	LX44P1GB	32 W	5140 lm	○
	5000	LX45P1GB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
IP 20-54	3000	LX43P1B	32 W	4700 lm	○
	4000	LX44P1B	32 W	5140 lm	○
	5000	LX45P1B	32 W	5140 lm	○
UGR 19	3000	LX43P1B	32 W	4700 lm	○
	4000	LX44P1B	32 W	5140 lm	○
	5000	LX45P1B	32 W	5140 lm	○

EasyAir + SENSOR

600 × 600

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33PSGB	32 W	4700 lm	○
	4000	LX34PSGB	32 W	5140 lm	○
	5000	LX35PSGB	32 W	5140 lm	○
UGR 16	3000	LX33PSGB	32 W	4700 lm	○
	4000	LX34PSGB	32 W	5140 lm	○
	5000	LX35PSGB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
IP 20-54	3000	LX33PSB	32 W	4700 lm	○
	4000	LX34PSB	32 W	5140 lm	○
	5000	LX35PSB	32 W	5140 lm	○
UGR 19	3000	LX33PSB	32 W	4700 lm	○
	4000	LX34PSB	32 W	5140 lm	○
	5000	LX35PSB	32 W	5140 lm	○

1200 × 300

	K	REF.	W	LUMEN	
IP 20-54	3000	LX43PSGB	32 W	4700 lm	○
	4000	LX44PSGB	32 W	5140 lm	○
	5000	LX45PSGB	32 W	5140 lm	○
UGR 16	3000	LX43PSGB	32 W	4700 lm	○
	4000	LX44PSGB	32 W	5140 lm	○
	5000	LX45PSGB	32 W	5140 lm	○

	K	REF.	W	LUMEN	
IP 20-54	3000	LX43PSB	32 W	4700 lm	○
	4000	LX44PSB	32 W	5140 lm	○
	5000	LX45PSB	32 W	5140 lm	○
UGR 19	3000	LX43PSB	32 W	4700 lm	○
	4000	LX44PSB	32 W	5140 lm	○
	5000	LX45PSB	32 W	5140 lm	○

Estruturas



Trazzo Avant

O TRAZZO AVANT é um sistema linear para uma instalação saliente ou suspensa. Fabricado em alumínio de extrusão, apresenta-se em troços de 1.125 e 1.685 mm de comprimento.

Conta com um sistema LED multirrefletor que melhora o conforto visual da luminária.



Suspensa

Aplicado no teto

Encastrado no teto



CASAMBI

Trazzo Avant

Encastrado no teto

Suspensão

Aplicado no teto

LED CE RoHS ENEC

L80B10

61,000 h

CRI
>80

77°

Rendimento (%)
73

Segurança fotobiológica

RG0

0

Isento de risco

CASAMBI



L = 1125 mm



L = 1687 mm

Suspensão

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	TX4L3CRB	26,8 W	3720 lm	○
		TX4H3CRB	38,0 W	5600 lm	○
UGR 16	4000	TX4L4CRB	26,8 W	4000 lm	○
		TX4H4CRB	38,0 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TX6L3CRB	40,2 W	5580 lm	○
		TX6H3CRB	57,0 W	8400 lm	○
4000	4000	TX6L4CRB	40,2 W	6000 lm	○
		TX6H4CRB	57,0 W	9000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3CRB	26,8 W	3720 lm	○
		TXE4H3CRB	38 W	5600 lm	○
UGR 16	4000	TXE4L4CRB	26,8 W	4000 lm	○
		TXE4H4CRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TXE6L3CRB	40,2 W	5580 lm	○
		TXE6H3CRB	57 W	8400 lm	○
4000	4000	TXE6L4CRB	40,2 W	6000 lm	○
		TXE6H4CRB	57 W	9000 lm	○



L = 1130 mm



L = 1690 mm

Suspensão

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	TX4L3COB	26,8 W	3720 lm	○
		TX4H3COB	38,0 W	5600 lm	○
UGR 22	4000	TX4L4COB	26,8 W	4000 lm	○
		TX4H4COB	38,0 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TX6L3COB	40,2 W	5580 lm	○
		TX6H3COB	57,0 W	8400 lm	○
4000	4000	TX6L4COB	40,2 W	6000 lm	○
		TX6H4COB	57,0 W	9000 lm	○

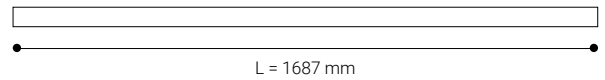
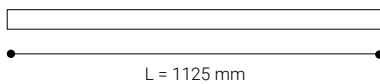
Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3COB	26,8 W	3720 lm	○
		TXE4H3COB	38 W	5600 lm	○
UGR 22	4000	TXE4L4COB	26,8 W	4000 lm	○
		TXE4H4COB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TXE6L3COB	40,2 W	5580 lm	○
		TXE6H3COB	57W	8400 lm	○
4000	4000	TXE6L4COB	40,2 W	6000 lm	○
		TXE6H4COB	57 W	9000 lm	○

Trazzo Avant

+ SENSOR



Suspenso

Aplicado no teto

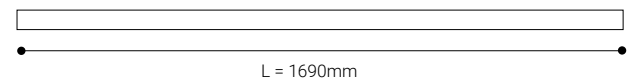
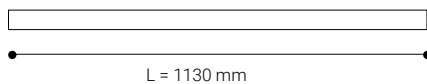
	K	REF.	W	LUMEN	
IP 30	3000	TX4L3CSRB	26,8 W	3720 lm	○
		TX4H3CSRB	38,0 W	5600 lm	○
UGR 16	4000	TX4L4CSRB	26,8 W	4000 lm	○
		TX4H4CSRB	38,0 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TX6L3CSRB	40,2 W	5580 lm	○
		TX6H3CSRB	57,0 W	8400 lm	○
4000	4000	TX6L4CSRB	40,2 W	6000 lm	○
		TX6H4CSRB	57,0 W	9000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3CSRB	26,8 W	3720 lm	○
		TXE4H3CSRB	38 W	5600 lm	○
UGR 16	4000	TXE4L4CSRB	26,8 W	4000 lm	○
		TXE4H4CSRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TXE6L3CSRB	40,2 W	5580 lm	○
		TXE6H3CSRB	57 W	8400 lm	○
4000	4000	TXE6L4CSRB	40,2 W	6000 lm	○
		TXE6H4CSRB	57 W	9000 lm	○



Suspenso

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	TX4L3CSOB	26,8 W	3720 lm	○
		TX4H3CSOB	38,0 W	5600 lm	○
UGR 22	4000	TX4L4CSOB	26,8 W	4000 lm	○
		TX4H4CSOB	38,0 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TX6L3CSOB	40,2 W	5580 lm	○
		TX6H3CSOB	57,0 W	8400 lm	○
4000	4000	TX6L4CSOB	40,2 W	6000 lm	○
		TX6H4CSOB	57,0 W	9000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3CSOB	26,8 W	3720 lm	○
		TXE4H3CSOB	38 W	5600 lm	○
UGR 22	4000	TXE4L4CSOB	26,8 W	4000 lm	○
		TXE4H4CSOB	38 W	6000 lm	○

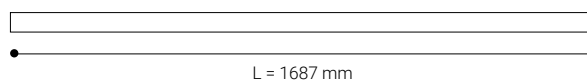
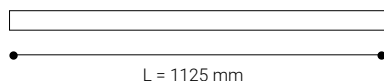
	K	REF.	W	LUMEN	
3000	3000	TXE6L3CSOB	40,2 W	5580 lm	○
		TXE6H3CSOB	57W	8400 lm	○
4000	4000	TXE6L4CSOB	40,2 W	6000 lm	○
		TXE6H4CSOB	57 W	9000 lm	○

CASAMBI

Trazzo Avant

CASAMBI

TW*



Suspensão

Aplicado no teto



	K	REF.	W	LUMEN	
IP	2700 - 6500	TX4TWCRB	38,0 W	6000 lm	○

30

UGR
16

	K	REF.	W	LUMEN	
IP	2700 - 6500	TX6TWCRB	57,0 W	9000 lm	○

Encastrado no teto



	K	REF.	W	LUMEN	
IP	2700 - 6500	TXE4TWCRB	38,0 W	6000 lm	○

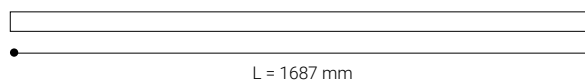
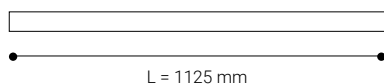
20-44

UGR
16

	K	REF.	W	LUMEN	
IP	2700 - 6500	TXE6TWCRB	57 W	9000 lm	○

CASAMBI

TW* + SENSOR



Suspensão

Aplicado no teto



	K	REF.	W	LUMEN	
IP	2700 - 6500	TX4TWCSR	38,0 W	6000 lm	○

30

UGR
16

	K	REF.	W	LUMEN	
IP	2700 - 6500	TX6TWCSR	57,0 W	9000 lm	○

Encastrado no teto



	K	REF.	W	LUMEN	
IP	2700 - 6500	TXE4TWCSR	38 W	6000 lm	○

20-44

UGR
16

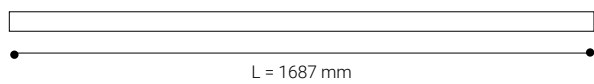
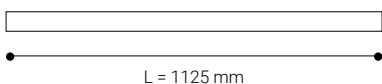
	K	REF.	W	LUMEN	
IP	2700 - 6500	TXE6TWCSR	57 W	9000 lm	○



*Tunable White lighting

Trazzo Avant

Helvar ACTIVEAHEAD



Suspensão

Aplicado no teto

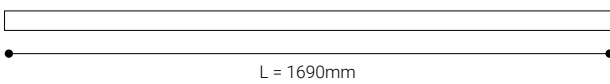
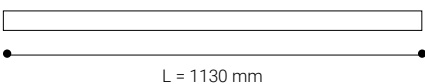
	K	REF.	W	LUMEN	
IP 30	3000	TX4L3HRB	26,8 W	3720 lm	○
		TX4H3HRB	38 W	5600 lm	○
UGR 16	4000	TX4L4HRB	26,8 W	4000 lm	○
		TX4H4HRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TX6L3HRB	40,2 W	5580 lm	○
		TX6H3HRB	57 W	8400 lm	○
4000	4000	TX6L4HRB	40,2 W	6000 lm	○
		TX6H4HRB	57 W	9000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3HRB	26,8 W	3720 lm	○
		TXE4H3HRB	38 W	5600 lm	○
UGR 16	4000	TXE4L4HRB	26,8 W	4000 lm	○
		TXE4H4HRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TXE6L3HRB	40,2 W	5580 lm	○
		TXE6H3HRB	57 W	8400 lm	○
4000	4000	TXE6L4HRB	40,2 W	6000 lm	○
		TXE6H4HRB	57 W	9000 lm	○



Suspensão

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	TX4L3HOB	26,8 W	3720 lm	○
		TX4H3HOB	38 W	5600 lm	○
UGR 22	4000	TX4L4HOB	26,8 W	4000 lm	○
		TX4H4HOB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TX6L3HOB	40,2 W	5580 lm	○
		TX6H3HOB	57 W	8400 lm	○
4000	4000	TX6L4HOB	40,2 W	6000 lm	○
		TX6H4HOB	57 W	9000 lm	○

Encastrado no teto

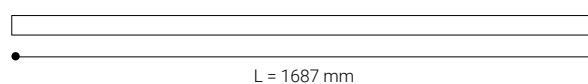
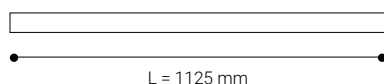
	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3HOB	26,8 W	3720 lm	○
		TXE4H3HOB	38 W	5600 lm	○
UGR 22	4000	TXE4L4HOB	26,8 W	4000 lm	○
		TXE4H4HOB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000	3000	TXE6L3HOB	40,2 W	5580 lm	○
		TXE6H3HOB	57 W	8400 lm	○
4000	4000	TXE6L4HOB	40,2 W	6000 lm	○
		TXE6H4HOB	57 W	9000 lm	○

Helvar ACTIVEAHEAD

Trazzo Avant

Helvar ACTIVEAHEAD

+ SENSOR


Suspensão

Aplicado no teto

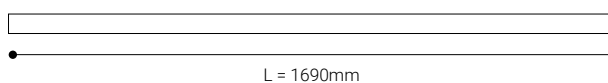
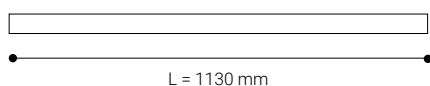
	K	REF.	W	LUMEN	
IP 30	3000	TX4L3HSRB	26,8 W	3720 lm	○
		TX4H3HSRB	38 W	5600 lm	○
UGR 16	4000	TX4L4HSRB	26,8 W	4000 lm	○
		TX4H4HSRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TX6L3HSRB	40,2 W	5580 lm	○
		TX6H3HSRB	57 W	8400 lm	○
4000		TX6L4HSRB	40,2 W	6000 lm	○
		TX6H4HSRB	57 W	9000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3HSRB	26,8 W	3720 lm	○
		TXE4H3HSRB	38 W	5600 lm	○
UGR 16	4000	TXE4L4HSRB	26,8 W	4000 lm	○
		TXE4H4HSRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TXE6L3HSRB	40,2 W	5580 lm	○
		TXE6H3HSRB	57 W	8400 lm	○
4000		TXE6L4HSRB	40,2 W	6000 lm	○
		TXE6H4HSRB	57 W	9000 lm	○



Suspensão

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	TX4L3HSOB	26,8 W	3720 lm	○
		TX4H3HSOB	38 W	5600 lm	○
UGR 22	4000	TX4L4HSOB	26,8 W	4000 lm	○
		TX4H4HSOB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TX6L3HSOB	40,2 W	5580 lm	○
		TX6H3HSOB	57 W	8400 lm	○
4000		TX6L4HSOB	40,2 W	6000 lm	○
		TX6H4HSOB	57 W	9000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3HSOB	26,8 W	3720 lm	○
		TXE4H3HSOB	38 W	5600 lm	○
UGR 22	4000	TXE4L4HSOB	26,8 W	4000 lm	○
		TXE4H4HSOB	38 W	6000 lm	○

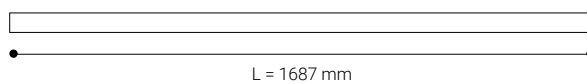
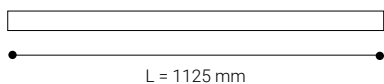
	K	REF.	W	LUMEN	
3000		TXE6L3HSOB	40,2 W	5580 lm	○
		TXE6H3HSOB	57 W	8400 lm	○
4000		TXE6L4HSOB	40,2 W	6000 lm	○
		TXE6H4HSOB	57 W	9000 lm	○

Trazzo Avant

Helvar ACTIVEAHEAD

Helvar ACTIVEAHEAD

TW*



Suspenso

Aplicado no teto



	K	REF.	W	LUMEN	
IP 30	2700 - 6500	TX4TWHRB	38 W	6000 lm	○

UGR
16

	K	REF.	W	LUMEN	
IP 30	2700 - 6500	TX6TWHRB	57 W	9000 lm	○

Encastrado no teto



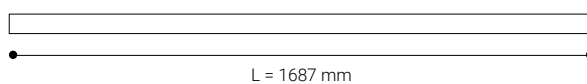
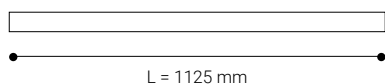
	K	REF.	W	LUMEN	
IP 20-44	2700 - 6500	TXE4TWHRB	38 W	6000 lm	○

UGR
16

	K	REF.	W	LUMEN	
IP 20-44	2700 - 6500	TXE6TWHRB	57 W	9000 lm	○

Helvar ACTIVEAHEAD

TW* + SENSOR



Suspenso

Aplicado no teto



	K	REF.	W	LUMEN	
IP 30	2700 - 6500	TX4TWHSRB	38 W	6000 lm	○

UGR
16

	K	REF.	W	LUMEN	
IP 30	2700 - 6500	TX6TWHSRB	57 W	9000 lm	○

Encastrado no teto



	K	REF.	W	LUMEN	
IP 20-44	2700 - 6500	TXE4TWHSRB	38 W	6000 lm	○

UGR
16

	K	REF.	W	LUMEN	
IP 20-44	2700 - 6500	TXE6TWHSRB	57 W	9000 lm	○

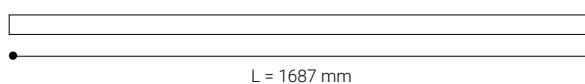
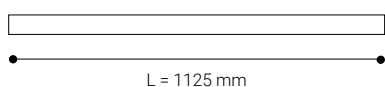


*Tunable White lighting

EasyAir

Trazzo Avant

EasyAir



Suspensão

Aplicado no teto

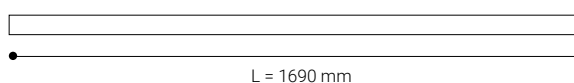
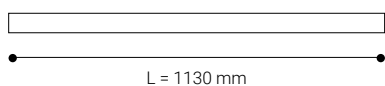
	K	REF.	W	LUMEN	
IP 30	3000	TX4L3PRB	26,8 W	3720 lm	○
		TX4H3PRB	38 W	5600 lm	○
UGR 16	4000	TX4L4PRB	26,8 W	4000 lm	○
		TX4H4PRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TX6L3PRB	40,2 W	5580 lm	○
		TX6H3PRB	57 W	8400 lm	○
4000		TX6L4PRB	40,2 W	6000 lm	○
		TX6H4PRB	57 W	9000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 24-44	3000	TXE4L3PRB	26,8 W	3720 lm	○
		TXE4H3PRB	38 W	5600 lm	○
UGR 16	4000	TXE4L4PRB	26,8 W	4000 lm	○
		TXE4H4PRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TXE6L3PRB	40,2 W	5580 lm	○
		TXE6H3PRB	57 W	8400 lm	○
4000		TXE6L4PRB	40,2 W	6000 lm	○
		TXE6H4PRB	57 W	9000 lm	○



Suspensão

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	TX4L3POB	26,8 W	3720 lm	○
		TX4H3POB	38 W	5600 lm	○
UGR 22	4000	TX4L4POB	26,8 W	4000 lm	○
		TX4H4POB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TX6L3POB	40,2 W	5580 lm	○
		TX6H3POB	57 W	8400 lm	○
4000		TX6L4POB	40,2 W	6000 lm	○
		TX6H4POB	57 W	9000 lm	○

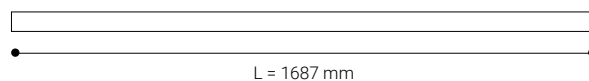
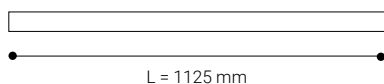
Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3POB	26,8 W	3720 lm	○
		TXE4H3POB	38 W	5600 lm	○
UGR 22	4000	TXE4L4POB	26,8 W	4000 lm	○
		TXE4H4POB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TXE6L3POB	40,2 W	5580 lm	○
		TXE6H3POB	57 W	8400 lm	○
4000		TXE6L4POB	40,2 W	6000 lm	○
		TXE6H4POB	57 W	9000 lm	○

Trazzo Avant

EasyAir

EasyAir
+ SENSOR

Suspenso

Aplicado no teto

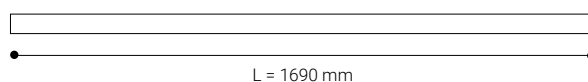
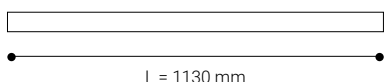
	K	REF.	W	LUMEN	
IP 30	3000	TX4L3PSRB	26,8 W	3720 lm	○
		TX4H3PSRB	38 W	5600 lm	○
UGR 16	4000	TX4L4PSRB	26,8 W	4000 lm	○
		TX4H4PSRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TX6L3PSRB	40,2 W	5580 lm	○
		TX6H3PSRB	57 W	8400 lm	○
4000		TX6L4PSRB	40,2 W	6000 lm	○
		TX6H4PSRB	57 W	9000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 22-44	3000	TXE4L3PSRB	26,8 W	3720 lm	○
		TXE4H3PSRB	38 W	5600 lm	○
UGR 16	4000	TXE4L4PSRB	26,8 W	4000 lm	○
		TXE4H4PSRB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TXE6L3PSRB	40,2 W	5580 lm	○
		TXE6H3PSRB	57 W	8400 lm	○
4000		TXE6L4PSRB	40,2 W	6000 lm	○
		TXE6H4PSRB	57 W	9000 lm	○



Suspenso

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	TX4L3PSOB	26,8 W	3720 lm	○
		TX4H3PSOB	38 W	5600 lm	○
UGR 22	4000	TX4L4PSOB	26,8 W	4000 lm	○
		TX4H4PSOB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TX6L3PSOB	40,2 W	5580 lm	○
		TX6H3PSOB	57 W	8400 lm	○
4000		TX6L4PSOB	40,2 W	6000 lm	○
		TX6H4PSOB	57 W	9000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	TXE4L3PSOB	26,8 W	3720 lm	○
		TXE4H3PSOB	38 W	5600 lm	○
UGR 22	4000	TXE4L4PSOB	26,8 W	4000 lm	○
		TXE4H4PSOB	38 W	6000 lm	○

	K	REF.	W	LUMEN	
3000		TXE6L3PSOB	40,2 W	5580 lm	○
		TXE6H3PSOB	57 W	8400 lm	○
4000		TXE6L4PSOB	40,2 W	6000 lm	○
		TXE6H4PSOB	57 W	9000 lm	○



Linnea

A LINNEA é uma luminária linear construída em perfil de alumínio de extrusão para instalação suspensa, saliente ou encastrada no teto.

Destaca-se pela sua conceção minimalista e pelo seu difusor microprismático que gera uma iluminação muito homogénea, com um ótimo conforto visual.



Sensor version

Encastrado no teto

Suspensa

Aplicado no teto



Linnea

CASAMBI

Encastrado no teto

Suspensão

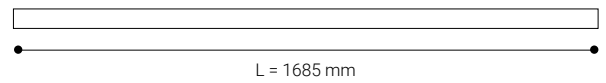
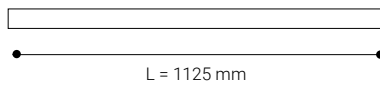
Aplicado no teto

LED CE    L80B10
60.000 hCRI
>80 87°Rendimento (%)
61,1

Segurança fotobiológica




RG0  Isento de risco






CASAMBI








Suspensão






Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	LI4H3COB	38 W	5600 lm	
		LI4L3COB	27 W	3720 lm	
UGR 19	4000	LI4H4COB	38 W	6000 lm	
		LI4L4COB	27 W	4000 lm	

	K	REF.	W	LUMEN	
3000	3000	LI6H3COB	57 W	8400 lm	
		LI6L3COB	40 W	5580 lm	
4000	4000	LI6H4COB	57 W	9000 lm	
		LI6L4COB	40 W	6000 lm	

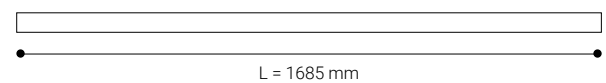
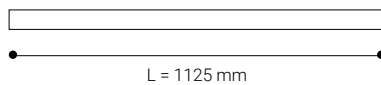
Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	LE4H3COB	38 W	5600 lm	
		LE4L3COB	27 W	3720 lm	
UGR 19	4000	LE4H4COB	38 W	6000 lm	
		LE4L4COB	27 W	4000 lm	

	K	REF.	W	LUMEN	
3000	3000	LE6H3COB	57 W	8400 lm	
		LE6L3COB	40 W	5580 lm	
4000	4000	LE6H4COB	57 W	9000 lm	
		LE6L4COB	40 W	6000 lm	






CASAMBI






+ SENSOR








Suspensão






Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	LI4H3CSOB	38 W	5600 lm	
		LI4L3CSOB	26,8 W	3720 lm	
UGR 19	4000	LI4H4CSOB	38 W	6000 lm	
		LI4L4CSOB	26,8 W	4000 lm	

	K	REF.	W	LUMEN	
3000	3000	LI6H3CSOB	38 W	8400 lm	
		LI6L3CSOB	27 W	5580 lm	
4000	4000	LI6H4CSOB	57 W	9000 lm	
		LI6L4CSOB	40 W	6000 lm	

Encastrado no teto

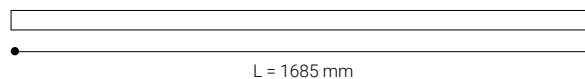
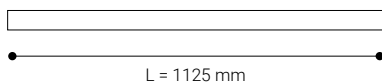
	K	REF.	W	LUMEN	
IP 20-44	3000	LE4H3CSOB	38 W	5600 lm	
		LE4L3CSOB	27 W	3720 lm	
UGR 19	4000	LE4H4CSOB	38 W	6000 lm	
		LE4L4CSOB	27 W	4000 lm	

	K	REF.	W	LUMEN	
3000	3000	LE6H3CSOB	57 W	8400 lm	
		LE6L3CSOB	40 W	5580 lm	
4000	4000	LE6H4CSOB	57 W	9000 lm	
		LE6L4CSOB	40 W	6000 lm	

Helvar ACTIVEAHEAD

Linnea

Helvar ACTIVEAHEAD



Suspensão

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	LI4H3HOB	38 W	5600 lm	○
		LI4L3HOB	26,8 W	3720 lm	○
UGR 19	4000	LI4H4HOB	38 W	6000 lm	○
		LI4L4HOB	26,8 W	4000 lm	○

	K	REF.	W	LUMEN	
3000	3000	LI6H3HOB	57 W	8400 lm	○
		LI6L3HOB	40,2 W	5580 lm	○
4000	4000	LI6H4HOB	57 W	9000 lm	○
		LI6L4HOB	40,2 W	6000 lm	○

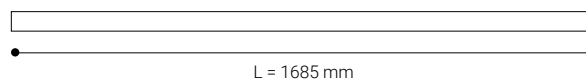
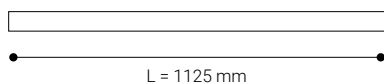
Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	LE4H3HOB	38 W	5600 lm	○
		LE4L3HOB	26,8 W	3720 lm	○
UGR 19	4000	LE4H4HOB	38 W	6000 lm	○
		LE4L4HOB	26,8 W	4000 lm	○

	K	REF.	W	LUMEN	
3000	3000	LE6H3HOB	57 W	8400 lm	○
		LE6L3HOB	40,2 W	5580 lm	○
4000	4000	LE6H4HOB	57 W	9000 lm	○
		LE6L4HOB	40,2 W	6000 lm	○

Helvar ACTIVEAHEAD

+ SENSOR



Suspensão

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	LI4H3HSOB	38 W	5600 lm	○
		LI4L3HSOB	26,8 W	3720 lm	○
UGR 19	4000	LI4H4HSOB	38 W	6000 lm	○
		LI4L4HSOB	26,8 W	4000 lm	○

	K	REF.	W	LUMEN	
3000	3000	LI6H3HSOB	57 W	8400 lm	○
		LI6L3HSOB	40,2 W	5580 lm	○
4000	4000	LI6H4HSOB	57 W	9000 lm	○
		LI6L4HSOB	40,2 W	6000 lm	○

Encastrado no teto

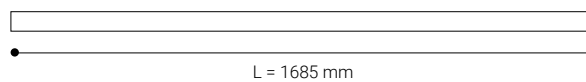
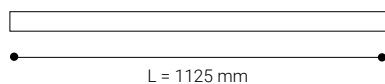
	K	REF.	W	LUMEN	
IP 20-44	3000	LE4H3HSOB	38 W	5600 lm	○
		LE4L3HSOB	26,8 W	3720 lm	○
UGR 19	4000	LE4H4HSOB	38 W	6000 lm	○
		LE4L4HSOB	26,8 W	4000 lm	○

	K	REF.	W	LUMEN	
3000	3000	LE6H3HSOB	57 W	8400 lm	○
		LE6L3HSOB	40,2 W	5580 lm	○
4000	4000	LE6H4HSOB	57 W	9000 lm	○
		LE6L4HSOB	40,2 W	6000 lm	○

Linnea

EasyAir

EasyAir



Suspensão

Aplicado no teto

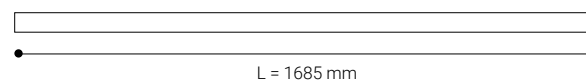
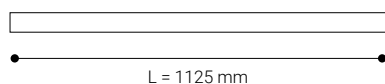
	K	REF.	W	LUMEN	
IP 30	3000	LI4H3POB	38 W	5600 lm	○
		LI4L3POB	26,8 W	3720 lm	○
UGR 19	4000	LI4H4POB	38 W	6000 lm	○
		LI4L4POB	26,8 W	4000 lm	○

	K	REF.	W	LUMEN	
3000	3000	LI6H3POB	57 W	8400 lm	○
		LI6L3POB	40,2 W	5580 lm	○
4000	4000	LI6H4POB	57 W	9000 lm	○
		LI6L4POB	40,2 W	6000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	LE4H3POB	38 W	5600 lm	○
		LE4L3POB	26,8 W	3720 lm	○
UGR 19	4000	LE4H4POB	38 W	6000 lm	○
		LE4L4POB	26,8 W	4000 lm	○

	K	REF.	W	LUMEN	
3000	3000	LE6H3POB	57 W	8400 lm	○
		LE6L3POB	40,2 W	5580 lm	○
4000	4000	LE6H4POB	57 W	9000 lm	○
		LE6L4POB	40,2 W	6000 lm	○

EasyAir
+ SENSOR

Suspensão

Aplicado no teto

	K	REF.	W	LUMEN	
IP 30	3000	LI4H3PSOB	38 W	5600 lm	○
		LI4L3PSOB	26,8 W	3720 lm	○
UGR 19	4000	LI4H4PSOB	38 W	6000 lm	○
		LI4L4PSOB	26,8 W	4000 lm	○

	K	REF.	W	LUMEN	
3000	3000	LI6H3PSOB	57 W	8400 lm	○
		LI6L3PSOB	40,2 W	5580 lm	○
4000	4000	LI6H4PSOB	57 W	9000 lm	○
		LI6L4PSOB	40,2 W	6000 lm	○

Encastrado no teto

	K	REF.	W	LUMEN	
IP 20-44	3000	LE4H3PSOB	38 W	5600 lm	○
		LE4L3PSOB	26,8 W	3720 lm	○
UGR 19	4000	LE4H4PSOB	38 W	6000 lm	○
		LE4L4PSOB	26,8 W	4000 lm	○

	K	REF.	W	LUMEN	
3000	3000	LE6H3PSOB	57 W	8400 lm	○
		LE6L3PSOB	40,2 W	5580 lm	○
4000	4000	LE6H4PSOB	57 W	9000 lm	○
		LE6L4PSOB	40,2 W	6000 lm	○

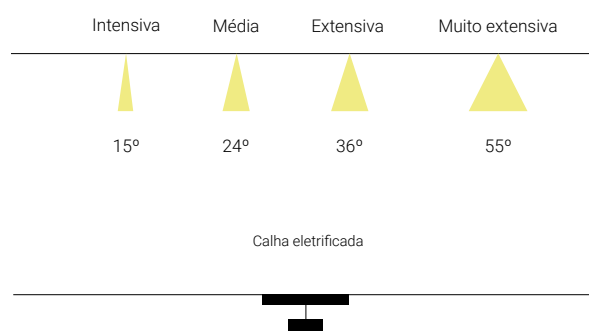
Projetores

Silk



Silk é a nova gama de projetores de interior para montagem em calha da Normalit. Uma solução de iluminação arquitetônica minimalista concebida para uso universal graças à sua flexibilidade de integração no espaço.

Óticas



Calha eletrificada



L80B10
60.000 h

CRI
>90

15-55°

Rendimento (%)
87

Segurança fotobiológica

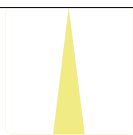
RG1* 1 Risco reduzido

* Tempo inferior a 3 h olhando para a fonte de luz

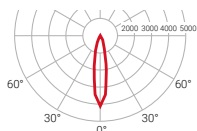
LED CE RoHS

CASAMBI

ÓTICA INTENSIVA



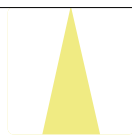
15°



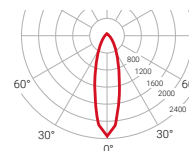
CO-C180
C90-C270 $\eta=83\%$

	K	REF.	W	LUMEN	
IP 20	2700	PIM22CSB	22 W	2340 lm	○
	3000	PIM23CSB	22 W	2520 lm	○
UGR 19	4000	PIM24CSB	22 W	2715 lm	○

ÓTICA MÉDIA



24°



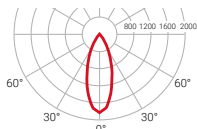
CO-C180
C90-C270 $\eta=81\%$

	K	REF.	W	LUMEN	
IP 20	2700	PIM22CMB	22 W	2340 lm	○
	3000	PIM23CMB	22 W	2520 lm	○
UGR 19	4000	PIM24CMB	22 W	2715 lm	○

ÓTICA EXTENSIVA



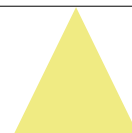
36°



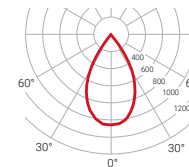
CO-C180
C90-C270 $\eta=82\%$

	K	REF.	W	LUMEN	
IP 20	2700	PIM22CFB	22 W	2340 lm	○
	3000	PIM23CFB	22 W	2520 lm	○
UGR 19	4000	PIM24CFB	22 W	2715 lm	○

ÓTICA MUITO EXTENSIVA



55°



CO-C180
C90-C270 $\eta=83\%$

	K	REF.	W	LUMEN	
IP 20	2700	PIM22CWB	22 W	2340 lm	○
	3000	PIM23CWB	22 W	2520 lm	○
UGR 19	4000	PIM24CWB	22 W	2715 lm	○

Silk

ÓTICA INTENSIVA



	K	REF.	W	LUMEN	
IP 20	2700	PI32CSB	29,6 W	2940 lm	○
	3000	PI33CSB	29,6 W	3170 lm	○
UGR 19	4000	PI34CSB	29,6 W	3410 lm	○

ÓTICA MÉDIA



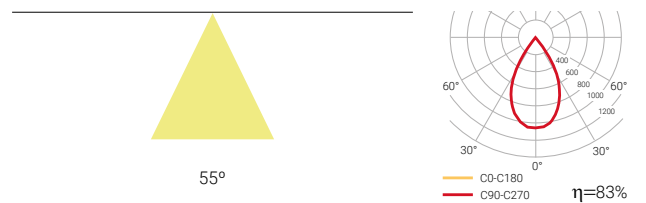
	K	REF.	W	LUMEN	
IP 20	2700	PI32CMB	29,6 W	2940 lm	○
	3000	PI33CMB	29,6 W	3170 lm	○
UGR 19	4000	PI34CMB	29,6 W	3410 lm	○

ÓTICA EXTENSIVA



	K	REF.	W	LUMEN	
IP 20	2700	PI32CFB	29,6 W	2940 lm	○
	3000	PI33CFB	29,6 W	3170 lm	○
UGR 19	4000	PI34CFB	29,6 W	3410 lm	○

ÓTICA MUITO EXTENSIVA



	K	REF.	W	LUMEN	
IP 20	2700	PI32CWB	29,6 W	2940 lm	○
	3000	PI33CWB	29,6 W	3170 lm	○
UGR 19	4000	PI34CWB	29,6 W	3410 lm	○

Prolit



Os projetores PROLIT destacam-se pela sua versatilidade, uma vez que podem ser instalados em carris eletrificados, aplicados na parede ou no teto.

 L80B10	CRI		Rendimento (%)
60.000 h	>80	32°	92,2

Segurança fotobiológica

 **0** Isento de risco

Aplicado no teto

Calha eletrificada



Prolit

Aplicado no teto

LED CE RoHS ENEC

L80B10
60.000 h

CRI
>80

32°

Rendimento (%)
92,2

Segurança fotobiológica
RG0 0 Isento de risco

CASAMBI

	K	REF.	W	LUMEN	
IP 20	3000	PRS23CSB	11,8 W	1930 lm	○
		PRS33CSB	17,4 W	2650 lm	○
UGR 19	4000	PRS24CSB	11,8 W	2050 lm	○
		PRS34CSB	17,4 W	2850 lm	○

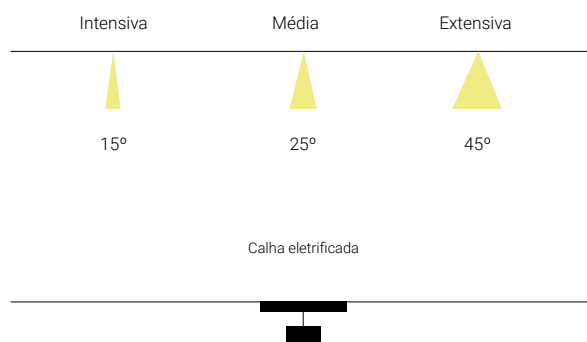


Aqa



O AQA é o novo projetor cilíndrico, elegante, atrativo e robusto.

Óticas



Calha eletrificada



L80B10
60.000 h

CRI
>80

15-45°

Rendimento (%)
81,8

Segurança fotobiológica

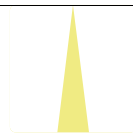
RG1* **1** Risco reduzido

* Tempo inferior a 3 h olhando para a fonte de luz

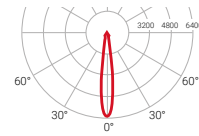
LED CE RoHS ENEC

CASAMBI

ÓTICA INTENSIVA



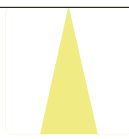
15°



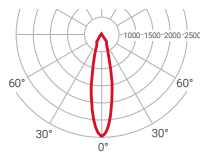
— C0-C180
— C90-C270 $\eta=82\%$

	K	REF.	W	LUMEN	
IP 20	3000	PQ23CSB	11,8 W	1930 lm	○
		PQ33CSB	17,4 W	2650 lm	○
UGR 19	4000	PQ43CSB	25,1 W	3580 lm	○
		PQ24CSB	11,8 W	2050 lm	○
		PQ34CSB	17,4 W	2850 lm	○
		PQ44CSB	25,1 W	3780 lm	○

ÓTICA MÉDIA



25°



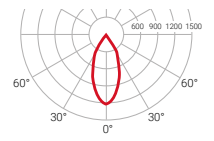
— C0-C180
— C90-C270 $\eta=79\%$

	K	REF.	W	LUMEN	
IP 20	3000	PQ23CMB	11,8 W	1930 lm	○
		PQ33CMB	19,1 W	2650 lm	○
UGR 19	4000	PQ43CMB	25,1 W	3580 lm	○
		PQ24CMB	11,8 W	2050 lm	○
		PQ34CMB	17,4 W	2850 lm	○
		PQ44CMB	25,1 W	3780 lm	○

ÓTICA EXTENSIVA



45°



— C0-C180
— C90-C270 $\eta=76\%$

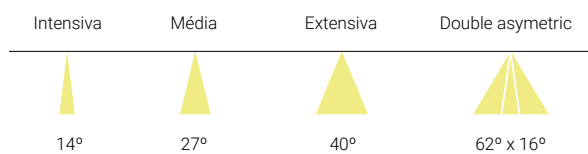
	K	REF.	W	LUMEN	
IP 20	3000	PQ23CFB	11,8 W	1930 lm	○
		PQ33CFB	17,4 W	2650 lm	○
UGR 19	4000	PQ43CFB	25,1 W	3580 lm	○
		PQ24CFB	11,8 W	2050 lm	○
		PQ34CFB	19,1 W	2850 lm	○
		PQ44CFB	25,1 W	3780 lm	○

Dot



O DOT é um projetor de forma quadrada para locais comerciais e exposições.

Óticas



Calha eletrificada

Dot

Calha eletrificada



L70B10
50.000 h

CRI
>90

14-62°

Rendimento (%)
91,3

Segurança fotobiológica

RG1* 1 Risco reduzido

* Tempo inferior a 3 h olhando para a fonte de luz

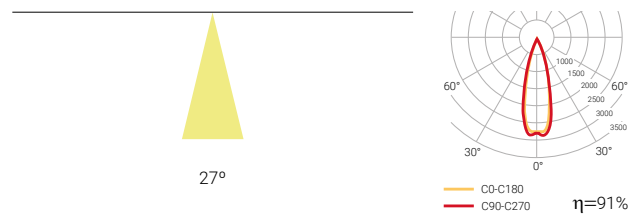
LED CE RoHS ENEC

ÓTICA INTENSIVA



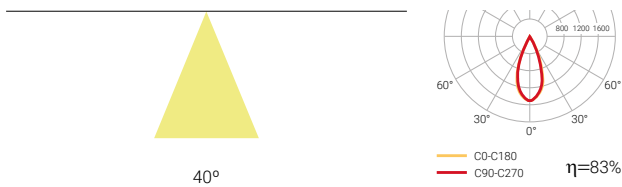
	K	REF.	W	LUMEN	
IP 20	3000	PD33CSB	24,6 W	2700 lm	○
UGR 19	4000	PD34CSB	24,6 W	2700 lm	○

ÓTICA MÉDIA



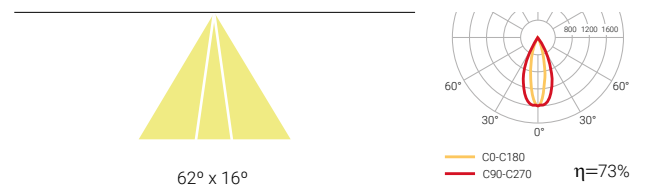
	K	REF.	W	LUMEN	
IP 20	3000	PD33CMB	24,6 W	2700 lm	○
UGR 19	4000	PD34CMB	24,6 W	2700 lm	○

ÓTICA EXTENSIVA



	K	REF.	W	LUMEN	
IP 20	3000	PD33CFB	24,6 W	2700 lm	○
UGR 19	4000	PD34CFB	24,6 W	2700 lm	○

ÓTICA OVAL



	K	REF.	W	LUMEN	
IP 20	3000	PD33OB	24,6 W	2700 lm	○
UGR 19	4000	PD34OB	24,6 W	2700 lm	○

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