

LEDLiner45 Recessed / Ready-To-Go

Technical Datasheet

DOXIS
LIGHTING FACTORY



General specs

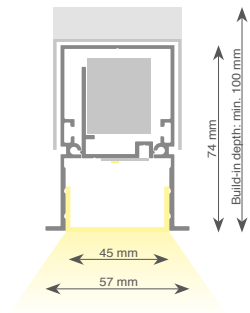
Type	Recessed
Material	Profile: Aluminium Cover: Polycarbonate (PC)
Lightsources	Philips Fortimo LED modules
Dimmable	Non dim / 1-10V dim / Touch&DALI dim
Weight	Average weight of equipped profile: 2.60kg/m
Cover	Opal (Prismatic cover is NOT AVAILABLE for LEDLiner45)

IP20



RoHS

CE

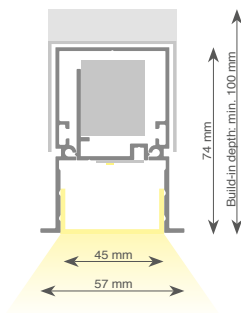


Information

Rectangle aluminium extruded profile 57x74mm in recessed version. Strong attention is given to thermal management (reduction of heat) and equal light distribution. LEDLiner45 offers the latest and best performing LED lighting technology using Philips LED Lines.

Mounting Methods

Recessed



Included

Carrier Profile
Inner profile
End Caps
LED Modules
PC Cover down
Recessed brackets

Available colors

Standard

Optional

01

White
Matt Text.

03

Black
Matt Text.

18

Grey 9006
Matt Text.

15

Corten

16

Gold Matt

24

Old Matt
Copper

25

Smoked
Brown

07

Anthracite
Matt Text.

Other colors
on request.

Covers

Standard



Opal cover (standard)
R4500.00.000.xx.00

Prismatic cover is NOT AVAILABLE for LEDLiner45.

DOXIS
LIGHTING FACTORY

Horizonlaan 30 | B-3600 Genk | Belgium
T+32 (0)89.62.15.11 | F+32 (0)89.62.15.12 | info@doxis.be
www.doxis.be

Datasheet subject to change
Update: 27/05/2019
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LEDLiner45 Recessed / Ready-To-Go

Article number composition

MM = Mounting method
RE: Down - Recessed

R45 = Ready To Go LEDLiner45

Available colors
Matt White Texture
Matt Black Texture
Matt Grey 9006 Text.
Matt Anthracite Text.
Other colors on request.

xx = Color Code
R3500.00.000.**01**.00
R3500.00.000.**03**.00
R3500.00.000.**18**.00
R3500.00.000.**07**.00

R45MM.DM.CCC.xx-00

DM = Dim method
24: Non dimmable
25: 1-10V dimmable
26: Touch & DALI dim.

CCC = CRI + CCT
830: Ra80 - 3000K
840: Ra80 - 4000K
927: Ra90 - 2700K (Only available in limited lengths)
930: Ra90 - 3000K
940: Ra90 - 4000K

Size (Doxis reference)

LEDLiner45 Recessed - Ready To Go - 3000K Ra80

Article nr.	CCT - CRI	Length Total**	Lengths Individual**	Lum. Flux LED Module*	Power LED Module	Lum. Flux Luminaire*	Power Luminaire
R45RE.DM.830.xx.06	3000K - Ra80	879 mm	-	3132 lm	18.6 W	1926 lm	20.9 W
R45RE.DM.830.xx.07	3000K - Ra80	1021 mm	-	3654 lm	21.7 W	2247 lm	24.3 W
R45RE.DM.830.xx.08	3000K - Ra80	1159 mm	-	4176 lm	24.8 W	2568 lm	27.8 W
R45RE.DM.830.xx.09	3000K - Ra80	1301 mm	-	4698 lm	27.9 W	2889 lm	31.3 W
R45RE.DM.830.xx.10	3000K - Ra80	1441 mm	-	5220 lm	31 W	3210 lm	34.8 W
R45RE.DM.830.xx.11	3000K - Ra80	1583 mm	-	5742 lm	34.1 W	3531 lm	38.2 W
R45RE.DM.830.xx.12	3000K - Ra80	1721 mm	-	6264 lm	37.2 W	3852 lm	41.7 W
R45RE.DM.830.xx.13	3000K - Ra80	1863 mm	-	6786 lm	40.3 W	4173 lm	45.2 W
R45RE.DM.830.xx.14	3000K - Ra80	2002 mm	-	7308 lm	43.4 W	4494 lm	48.7 W
R45RE.DM.830.xx.15	3000K - Ra80	2144 mm	-	7830 lm	46.5 W	4815 lm	52.1 W
R45RE.DM.830.xx.16	3000K - Ra80	2282 mm	-	8352 lm	49.6 W	5136 lm	55.6 W
R45RE.DM.830.xx.17	3000K - Ra80	2424 mm	-	8874 lm	52.7 W	5458 lm	59.1 W
R45RE.DM.830.xx.18	3000K - Ra80	2564 mm	-	9396 lm	55.8 W	5779 lm	62.6 W
R45RE.DM.830.xx.19	3000K - Ra80	2706 mm	-	9918 lm	58.9 W	6100 lm	66 W
R45RE.DM.830.xx.20	3000K - Ra80	2844 mm	-	10440 lm	62 W	6421 lm	69.5 W
R45RE.DM.830.xx.21	3000K - Ra80	2986 mm	-	10962 lm	65.1 W	6742 lm	73 W
R45RE.DM.830.xx.22	3000K - Ra80	3125 mm	-	11484 lm	68.2 W	7063 lm	76.5 W
R45RE.DM.830.xx.23	3000K - Ra80	3267 mm	-	12006 lm	71.3 W	7384 lm	79.9 W
R45RE.DM.830.xx.24	3000K - Ra80	3405 mm	-	12528 lm	74.4 W	7705 lm	83.4 W
R45RE.DM.830.xx.25	3000K - Ra80	3548 mm	1701 + 1843 mm	13050 lm	77.5 W	8026 lm	86.9 W
R45RE.DM.830.xx.26	3000K - Ra80	3687 mm	1701 + 1982 mm	13572 lm	80.6 W	8347 lm	90.4 W
R45RE.DM.830.xx.27	3000K - Ra80	3829 mm	1843 + 1982 mm	14094 lm	83.7 W	8668 lm	93.8 W
R45RE.DM.830.xx.28	3000K - Ra80	3968 mm	1982 + 1982 mm	14616 lm	86.8 W	8989 lm	97.3 W
R45RE.DM.830.xx.29	3000K - Ra80	4110 mm	1982 + 2125 mm	15138 lm	89.9 W	9310 lm	100.8 W
R45RE.DM.830.xx.30	3000K - Ra80	4248 mm	1982 + 2262 mm	15660 lm	93 W	9631 lm	104.3 W
R45RE.DM.830.xx.31	3000K - Ra80	4390 mm	2125 + 2262 mm	16182 lm	96.1 W	9952 lm	107.7 W
R45RE.DM.830.xx.32	3000K - Ra80	4528 mm	2262 + 2262 mm	16704 lm	99.2 W	10273 lm	111.2 W
R45RE.DM.830.xx.33	3000K - Ra80	4670 mm	2262 + 2405 mm	17226 lm	102.3 W	10594 lm	114.7 W
R45RE.DM.830.xx.34	3000K - Ra80	4810 mm	2262 + 2544 mm	17748 lm	105.4 W	10915 lm	118.2 W
R45RE.DM.830.xx.35	3000K - Ra80	4952 mm	2405 + 2544 mm	18270 lm	108.5 W	11236 lm	121.6 W
R45RE.DM.830.xx.36	3000K - Ra80	5091 mm	2544 + 2544 mm	18792 lm	111.6 W	11557 lm	125.1 W
R45RE.DM.830.xx.37	3000K - Ra80	5233 mm	2544 + 2686 mm	19314 lm	114.7 W	11878 lm	128.6 W
R45RE.DM.830.xx.38	3000K - Ra80	5371 mm	2544 + 2824 mm	19836 lm	117.8 W	12199 lm	132.1 W
R45RE.DM.830.xx.39	3000K - Ra80	5513 mm	2544 + 2966 mm	20358 lm	120.9 W	12520 lm	135.5 W
R45RE.DM.830.xx.40	3000K - Ra80	5653 mm	2544 + 3105 mm	20880 lm	124 W	12841 lm	139 W
R45RE.DM.830.xx.41	3000K - Ra80	5795 mm	2544 + 3248 mm	21402 lm	127.1 W	13162 lm	142.5 W
R45RE.DM.830.xx.42	3000K - Ra80	5933 mm	2824 + 3105 mm	21924 lm	130.2 W	13483 lm	146 W
R45RE.DM.830.xx.43	3000K - Ra80	6075 mm	2966 + 3105 mm	22446 lm	133.3 W	13804 lm	149.4 W
R45RE.DM.830.xx.44	3000K - Ra80	6214 mm	3105 + 3105 mm	22968 lm	136.4 W	14125 lm	152.9 W
R45RE.DM.830.xx.45	3000K - Ra80	6356 mm	3105 + 3248 mm	23490 lm	139.5 W	14446 lm	156.4 W
R45RE.DM.830.xx.46	3000K - Ra80	6494 mm	3105 + 3385 mm	24012 lm	142.6 W	14767 lm	159.9 W
R45RE.DM.830.xx.47	3000K - Ra80	6636 mm	3248 + 3385 mm	24534 lm	145.7 W	15088 lm	163.3 W
R45RE.DM.830.xx.48	3000K - Ra80	6774 mm	3385 + 3385 mm	25056 lm	148.8 W	15409 lm	166.8 W

General specs

	LED Module	Luminaire
Efficacy 3000K - Ra80	168.4lm/W	92.1lm/W
Efficacy 4000K - Ra80	177.4lm/W	97.1lm/W
Efficacy 2700K - Ra90	131.8lm/W	72.4lm/W
Efficacy 3000K - Ra90	134lm/W	73.6lm/W
Efficacy 4000K - Ra90	141.1lm/W	77.5lm/W
Color consistency	SDCM 3	
Photobiological safety	Risk Group 1	
Power factor	0.9	

Lumen Maintenance

L70	B50	>70000 hrs
	B20	>70000 hrs
	B10	>70000 hrs
L80	B50	>70000 hrs
	B20	65000 hrs
	B10	60000 hrs
L90	B50	35000 hrs
	B20	35000 hrs
	B10	30000 hrs

* 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.

** The max. length of a single piece of profile is 3405mm. Ready to go-profiles with a length higher than 3405mm consist of 2 individual piece connected with a 180° mechanical connector
Total length is the length with end caps included, individual lengths are lengths with the end cap excluded.

LEDLiner45 Recessed - Ready To Go - 4000K Ra80

Article nr.	CCT - CRI	Length Total**	Lengths Individual**	Lum. Flux LED Module*	Power LED Module	Lum. Flux Luminaire*	Power Luminaire
R45RE.DM.840.xx.06	4000K - Ra80	879 mm	-	3300 lm	18.6 W	2030 lm	20.9 W
R45RE.DM.840.xx.07	4000K - Ra80	1021 mm	-	3850 lm	21.7 W	2368 lm	24.3 W
R45RE.DM.840.xx.08	4000K - Ra80	1159 mm	-	4400 lm	24.8 W	2706 lm	27.8 W
R45RE.DM.840.xx.09	4000K - Ra80	1301 mm	-	4950 lm	27.9 W	3044 lm	31.3 W
R45RE.DM.840.xx.10	4000K - Ra80	1441 mm	-	5500 lm	31 W	3383 lm	34.8 W
R45RE.DM.840.xx.11	4000K - Ra80	1583 mm	-	6050 lm	34.1 W	3721 lm	38.2 W
R45RE.DM.840.xx.12	4000K - Ra80	1721 mm	-	6600 lm	37.2 W	4059 lm	41.7 W
R45RE.DM.840.xx.13	4000K - Ra80	1863 mm	-	7150 lm	40.3 W	4397 lm	45.2 W
R45RE.DM.840.xx.14	4000K - Ra80	2002 mm	-	7700 lm	43.4 W	4736 lm	48.7 W
R45RE.DM.840.xx.15	4000K - Ra80	2144 mm	-	8250 lm	46.5 W	5074 lm	52.1 W
R45RE.DM.840.xx.16	4000K - Ra80	2282 mm	-	8800 lm	49.6 W	5412 lm	55.6 W
R45RE.DM.840.xx.17	4000K - Ra80	2424 mm	-	9350 lm	52.7 W	5750 lm	59.1 W
R45RE.DM.840.xx.18	4000K - Ra80	2564 mm	-	9900 lm	55.8 W	6089 lm	62.6 W
R45RE.DM.840.xx.19	4000K - Ra80	2706 mm	-	10450 lm	58.9 W	6427 lm	66 W
R45RE.DM.840.xx.20	4000K - Ra80	2844 mm	-	11000 lm	62 W	6765 lm	69.5 W
R45RE.DM.840.xx.21	4000K - Ra80	2986 mm	-	11550 lm	65.1 W	7103 lm	73 W
R45RE.DM.840.xx.22	4000K - Ra80	3125 mm	-	12100 lm	68.2 W	7442 lm	76.5 W
R45RE.DM.840.xx.23	4000K - Ra80	3267 mm	-	12650 lm	71.3 W	7780 lm	79.9 W
R45RE.DM.840.xx.24	4000K - Ra80	3405 mm	-	13200 lm	74.4 W	8118 lm	83.4 W
R45RE.DM.840.xx.25	4000K - Ra80	3548 mm	1701 + 1843 mm	13750 lm	77.5 W	8456 lm	86.9 W
R45RE.DM.840.xx.26	4000K - Ra80	3687 mm	1701 + 1982 mm	14300 lm	80.6 W	8795 lm	90.4 W
R45RE.DM.840.xx.27	4000K - Ra80	3829 mm	1843 + 1982 mm	14850 lm	83.7 W	9133 lm	93.8 W
R45RE.DM.840.xx.28	4000K - Ra80	3968 mm	1982 + 1982 mm	15400 lm	86.8 W	9471 lm	97.3 W
R45RE.DM.840.xx.29	4000K - Ra80	4110 mm	1982 + 2125 mm	15950 lm	89.9 W	9809 lm	100.8 W
R45RE.DM.840.xx.30	4000K - Ra80	4248 mm	1982 + 2262 mm	16500 lm	93 W	10148 lm	104.3 W
R45RE.DM.840.xx.31	4000K - Ra80	4390 mm	2125 + 2262 mm	17050 lm	96.1 W	10486 lm	107.7 W
R45RE.DM.840.xx.32	4000K - Ra80	4528 mm	2262 + 2262 mm	17600 lm	99.2 W	10824 lm	111.2 W
R45RE.DM.840.xx.33	4000K - Ra80	4670 mm	2262 + 2405 mm	18150 lm	102.3 W	11162 lm	114.7 W
R45RE.DM.840.xx.34	4000K - Ra80	4810 mm	2262 + 2544 mm	18700 lm	105.4 W	11501 lm	118.2 W
R45RE.DM.840.xx.35	4000K - Ra80	4952 mm	2405 + 2544 mm	19250 lm	108.5 W	11839 lm	121.6 W
R45RE.DM.840.xx.36	4000K - Ra80	5091 mm	2544 + 2544 mm	19800 lm	111.6 W	12177 lm	125.1 W
R45RE.DM.840.xx.37	4000K - Ra80	5233 mm	2544 + 2686 mm	20350 lm	114.7 W	12515 lm	128.6 W
R45RE.DM.840.xx.38	4000K - Ra80	5371 mm	2544 + 2824 mm	20900 lm	117.8 W	12854 lm	132.1 W
R45RE.DM.840.xx.39	4000K - Ra80	5513 mm	2544 + 2966 mm	21450 lm	120.9 W	13192 lm	135.5 W
R45RE.DM.840.xx.40	4000K - Ra80	5653 mm	2544 + 3105 mm	22000 lm	124 W	13530 lm	139 W
R45RE.DM.840.xx.41	4000K - Ra80	5795 mm	2544 + 3248 mm	22550 lm	127.1 W	13868 lm	142.5 W
R45RE.DM.840.xx.42	4000K - Ra80	5933 mm	2824 + 3105 mm	23100 lm	130.2 W	14207 lm	146 W
R45RE.DM.840.xx.43	4000K - Ra80	6075 mm	2966 + 3105 mm	23650 lm	133.3 W	14545 lm	149.4 W
R45RE.DM.840.xx.44	4000K - Ra80	6214 mm	3105 + 3105 mm	24200 lm	136.4 W	14883 lm	152.9 W
R45RE.DM.840.xx.45	4000K - Ra80	6356 mm	3105 + 3248 mm	24750 lm	139.5 W	15221 lm	156.4 W
R45RE.DM.840.xx.46	4000K - Ra80	6494 mm	3105 + 3385 mm	25300 lm	142.6 W	15560 lm	159.9 W
R45RE.DM.840.xx.47	4000K - Ra80	6636 mm	3248 + 3385 mm	25850 lm	145.7 W	15898 lm	163.3 W
R45RE.DM.840.xx.48	4000K - Ra80	6774 mm	3385 + 3385 mm	26400 lm	148.8 W	16236 lm	166.8 W

General specs

	LED Module	Luminaire
Efficacy 3000K - Ra80	168.4lm/W	92.1lm/W
Efficacy 4000K - Ra80	177.4lm/W	97.1lm/W
Efficacy 2700K - Ra90	131.8lm/W	72.4lm/W
Efficacy 3000K - Ra90	134lm/W	73.6lm/W
Efficacy 4000K - Ra90	141.1lm/W	77.5lm/W
Color consistency	SDCM 3	
Photobiological safety	Risk Group 1	
Power factor	0.9	

Lumen Maintenance

L70	B50	>70000 hrs
	B20	>70000 hrs
	B10	>70000 hrs
L80	B50	>70000 hrs
	B20	65000 hrs
	B10	60000 hrs
L90	B50	35000 hrs
	B20	35000 hrs
	B10	30000 hrs

LEDLiner45 Recessed - Ready To Go - 2700K Ra90

Article nr.	CCT - CRI	Length Total**	Lengths Individual**	Lum. Flux LED Module*	Power LED Module	Lum. Flux Luminaire*	Power Luminaire
R45RE.DM.927.xx.06	2700K - Ra90	879 mm	-	3084 lm	23.4 W	1897 lm	26.2 W
R45RE.DM.927.xx.08	2700K - Ra90	1159 mm	-	4112 lm	31.2 W	2529 lm	35 W
R45RE.DM.927.xx.10	2700K - Ra90	1441 mm	-	5140 lm	39 W	3161 lm	43.7 W
R45RE.DM.927.xx.12	2700K - Ra90	1721 mm	-	6168 lm	46.8 W	3793 lm	52.5 W
R45RE.DM.927.xx.14	2700K - Ra90	2002 mm	-	7196 lm	54.6 W	4426 lm	61.2 W
R45RE.DM.927.xx.16	2700K - Ra90	2282 mm	-	8224 lm	62.4 W	5058 lm	69.9 W
R45RE.DM.927.xx.18	2700K - Ra90	2564 mm	-	9252 lm	70.2 W	5690 lm	78.7 W
R45RE.DM.927.xx.20	2700K - Ra90	2844 mm	-	10280 lm	78 W	6322 lm	87.4 W
R45RE.DM.927.xx.22	2700K - Ra90	3125 mm	-	11308 lm	85.8 W	6954 lm	96.2 W
R45RE.DM.927.xx.24	2700K - Ra90	3405 mm	-	12336 lm	93.6 W	7587 lm	104.9 W
R45RE.DM.927.xx.26	2700K - Ra90	3687 mm	1701 + 1982 mm	13364 lm	101.4 W	8219 lm	113.7 W
R45RE.DM.927.xx.28	2700K - Ra90	3968 mm	1982 + 1982 mm	14392 lm	109.2 W	8851 lm	122.4 W
R45RE.DM.927.xx.30	2700K - Ra90	4248 mm	1982 + 2262 mm	15420 lm	117 W	9483 lm	131.2 W
R45RE.DM.927.xx.32	2700K - Ra90	4528 mm	2262 + 2262 mm	16448 lm	124.8 W	10116 lm	139.9 W
R45RE.DM.927.xx.34	2700K - Ra90	4810 mm	2262 + 2544 mm	17476 lm	132.6 W	10748 lm	148.6 W
R45RE.DM.927.xx.36	2700K - Ra90	5091 mm	2544 + 2544 mm	18504 lm	140.4 W	11380 lm	157.4 W
R45RE.DM.927.xx.38	2700K - Ra90	5371 mm	2544 + 2824 mm	19532 lm	148.2 W	12012 lm	166.1 W
R45RE.DM.927.xx.40	2700K - Ra90	5653 mm	2544 + 3105 mm	20560 lm	156 W	12644 lm	174.9 W
R45RE.DM.927.xx.42	2700K - Ra90	5933 mm	2824 + 3105 mm	21588 lm	163.8 W	13277 lm	183.6 W
R45RE.DM.927.xx.44	2700K - Ra90	6214 mm	3105 + 3105 mm	22616 lm	171.6 W	13909 lm	192.4 W
R45RE.DM.927.xx.46	2700K - Ra90	6494 mm	3105 + 3385 mm	23644 lm	179.4 W	14541 lm	201.1 W
R45RE.DM.927.xx.48	2700K - Ra90	6774 mm	3385 + 3385 mm	24672 lm	187.2 W	15173 lm	209.8 W

General specs			Lumen Maintenance		
	LED Module	Luminaire	L70	B50	B20
Efficacy 3000K - Ra80	168.4lm/W	92.1lm/W			
Efficacy 4000K - Ra80	177.4lm/W	97.1lm/W			
Efficacy 2700K - Ra90	131.8lm/W	72.4lm/W			
Efficacy 3000K - Ra90	134lm/W	73.6lm/W			
Efficacy 4000K - Ra90	141.1lm/W	77.5lm/W			
Color consistency	SDCM 3		L80	B50	B20
Photobiological safety	Risk Group 1				
Power factor	0.9				
			B10	B50	B20
			L90	B50	B20
			B10	B50	B20

* 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.

** The max. length of a single piece of profile is 3405mm. Ready to go-profiles with a length higher than 3405mm consist of 2 individual piece connected with a 180° mechanical connector
Total length is the length with end caps included, individual lengths are lengths with the end cap excluded.

LEDLiner45 Recessed - Ready To Go - 3000K Ra90

Article nr.	CCT - CRI	Length Total**	Lengths Individual**	Lum. Flux LED Module*	Power LED Module	Lum. Flux Luminaire*	Power Luminaire
R45RE.DM.930.xx.06	3000K - Ra90	879 mm	-	3132 lm	23.4 W	1928 lm	26.2 W
R45RE.DM.930.xx.07	3000K - Ra90	1021 mm	-	3654 lm	27.3 W	2249 lm	30.6 W
R45RE.DM.930.xx.08	3000K - Ra90	1159 mm	-	4176 lm	31.2 W	2571 lm	35 W
R45RE.DM.930.xx.09	3000K - Ra90	1301 mm	-	4698 lm	35.1 W	2892 lm	39.3 W
R45RE.DM.930.xx.10	3000K - Ra90	1441 mm	-	5220 lm	39 W	3213 lm	43.7
R45RE.DM.930.xx.11	3000K - Ra90	1583 mm	-	5742 lm	42.9 W	3535 lm	48.1 W
R45RE.DM.930.xx.12	3000K - Ra90	1721 mm	-	6264 lm	46.8 W	3856 lm	52.5 W
R45RE.DM.930.xx.13	3000K - Ra90	1863 mm	-	6786 lm	50.7 W	4177 lm	56.8 W
R45RE.DM.930.xx.14	3000K - Ra90	2002 mm	-	7308 lm	54.6 W	4499 lm	61.2 W
R45RE.DM.930.xx.15	3000K - Ra90	2144 mm	-	7830 lm	58.5 W	4820 lm	65.6 W
R45RE.DM.930.xx.16	3000K - Ra90	2282 mm	-	8352 lm	62.4 W	5141 lm	69.9 W
R45RE.DM.930.xx.17	3000K - Ra90	2424 mm	-	8874 lm	66.3 W	5463 lm	74.3 W
R45RE.DM.930.xx.18	3000K - Ra90	2564 mm	-	9396 lm	70.2 W	5784 lm	78.7 W
R45RE.DM.930.xx.19	3000K - Ra90	2706 mm	-	9918 lm	74.1 W	6105 lm	83.1 W
R45RE.DM.930.xx.20	3000K - Ra90	2844 mm	-	10440 lm	78 W	6427 lm	87.4 W
R45RE.DM.930.xx.21	3000K - Ra90	2986 mm	-	10962 lm	81.9 W	6748 lm	91.8 W
R45RE.DM.930.xx.22	3000K - Ra90	3125 mm	-	11484 lm	85.8 W	7069 lm	96.2 W
R45RE.DM.930.xx.23	3000K - Ra90	3267 mm	-	12006 lm	89.7 W	7391 lm	100.6 W
R45RE.DM.930.xx.24	3000K - Ra90	3405 mm	-	12528 lm	93.6 W	7712 lm	104.9 W
R45RE.DM.930.xx.25	3000K - Ra90	3548 mm	1701 + 1843 mm	13050 lm	97.5 W	8033 lm	109.3 W
R45RE.DM.930.xx.26	3000K - Ra90	3687 mm	1701 + 1982 mm	13572 lm	101.4 W	8355 lm	113.7 W
R45RE.DM.930.xx.27	3000K - Ra90	3829 mm	1843 + 1982 mm	14094 lm	105.3 W	8676 lm	118 W
R45RE.DM.930.xx.28	3000K - Ra90	3968 mm	1982 + 1982 mm	14616 lm	109.2 W	8997 lm	122.4 W
R45RE.DM.930.xx.29	3000K - Ra90	4110 mm	1982 + 2125 mm	15138 lm	113.1 W	9319 lm	126.8 W
R45RE.DM.930.xx.30	3000K - Ra90	4248 mm	1982 + 2262 mm	15660 lm	117 W	9640 lm	131.2 W
R45RE.DM.930.xx.31	3000K - Ra90	4390 mm	2125 + 2262 mm	16182 lm	120.9 W	9961 lm	135.5 W
R45RE.DM.930.xx.32	3000K - Ra90	4528 mm	2262 + 2262 mm	16704 lm	124.8 W	10283 lm	139.9 W
R45RE.DM.930.xx.33	3000K - Ra90	4670 mm	2262 + 2405 mm	17226 lm	128.7 W	10604 lm	144.3 W
R45RE.DM.930.xx.34	3000K - Ra90	4810 mm	2262 + 2544 mm	17748 lm	132.6 W	10925 lm	148.6 W
R45RE.DM.930.xx.35	3000K - Ra90	4952 mm	2405 + 2544 mm	18270 lm	136.5 W	11247 lm	153 W
R45RE.DM.930.xx.36	3000K - Ra90	5091 mm	2544 + 2544 mm	18792 lm	140.4 W	11568 lm	157.4 W
R45RE.DM.930.xx.37	3000K - Ra90	5233 mm	2544 + 2686 mm	19314 lm	144.3 W	11889 lm	161.8 W
R45RE.DM.930.xx.38	3000K - Ra90	5371 mm	2544 + 2824 mm	19836 lm	148.2 W	12211 lm	166.1 W
R45RE.DM.930.xx.39	3000K - Ra90	5513 mm	2544 + 2966 mm	20358 lm	152.1 W	12532 lm	170.5 W
R45RE.DM.930.xx.40	3000K - Ra90	5653 mm	2544 + 3105 mm	20880 lm	156 W	12854 lm	174.9 W
R45RE.DM.930.xx.41	3000K - Ra90	5795 mm	2544 + 3248 mm	21402 lm	159.9 W	13175 lm	179.2 W
R45RE.DM.930.xx.42	3000K - Ra90	5933 mm	2824 + 3105 mm	21924 lm	163.8 W	13496 lm	183.6 W
R45RE.DM.930.xx.43	3000K - Ra90	6075 mm	2966 + 3105 mm	22446 lm	167.7 W	13818 lm	188 W
R45RE.DM.930.xx.44	3000K - Ra90	6214 mm	3105 + 3105 mm	22968 lm	171.6 W	14139 lm	192.4 W
R45RE.DM.930.xx.45	3000K - Ra90	6356 mm	3105 + 3248 mm	23490 lm	175.5 W	14460 lm	196.7 W
R45RE.DM.930.xx.46	3000K - Ra90	6494 mm	3105 + 3385 mm	24012 lm	179.4 W	14782 lm	201.1 W
R45RE.DM.930.xx.47	3000K - Ra90	6636 mm	3248 + 3385 mm	24534 lm	183.3 W	15103 lm	205.5 W
R45RE.DM.930.xx.48	3000K - Ra90	6774 mm	3385 + 3385 mm	25056 lm	187.2 W	15424 lm	209.8 W

General specs

	LED Module	Luminaire
Efficacy 3000K - Ra80	168.4lm/W	92.1lm/W
Efficacy 4000K - Ra80	177.4lm/W	97.1lm/W
Efficacy 2700K - Ra90	131.8lm/W	72.4lm/W
Efficacy 3000K - Ra90	134lm/W	73.6lm/W
Efficacy 4000K - Ra90	141.1lm/W	77.5lm/W
Color consistency	SDCM 3	
Photobiological safety	Risk Group 1	
Power factor	0.9	

Lumen Maintenance

L70	B50	>70000 hrs
	B20	>70000 hrs
	B10	>70000 hrs
L80	B50	>70000 hrs
	B20	65000 hrs
	B10	60000 hrs
L90	B50	35000 hrs
	B20	35000 hrs
	B10	30000 hrs

LEDLiner45 Recessed - Ready To Go - 4000K Ra90

Article nr.	CCT - CRI	Length Total**	Lengths Individual**	Lum. Flux LED Module*	Power LED Module	Lum. Flux Luminaire*	Power Luminaire
R45RE.DM.940.xx.06	4000K - Ra90	879 mm	-	3300 lm	23.4 W	2030 lm	26.2 W
R45RE.DM.940.xx.07	4000K - Ra90	1021 mm	-	3850 lm	27.3 W	2368 lm	30.6 W
R45RE.DM.940.xx.08	4000K - Ra90	1159 mm	-	4400 lm	31.2 W	2706 lm	35 W
R45RE.DM.940.xx.09	4000K - Ra90	1301 mm	-	4950 lm	35.1 W	3044 lm	39.3 W
R45RE.DM.940.xx.10	4000K - Ra90	1441 mm	-	5500 lm	39 W	3383 lm	43.7 W
R45RE.DM.940.xx.11	4000K - Ra90	1583 mm	-	6050 lm	42.9 W	3721 lm	48.1 W
R45RE.DM.940.xx.12	4000K - Ra90	1721 mm	-	6600 lm	46.8 W	4059 lm	52.5 W
R45RE.DM.940.xx.13	4000K - Ra90	1863 mm	-	7150 lm	50.7 W	4397 lm	56.8 W
R45RE.DM.940.xx.14	4000K - Ra90	2002 mm	-	7700 lm	54.6 W	4736 lm	61.2 W
R45RE.DM.940.xx.15	4000K - Ra90	2144 mm	-	8250 lm	58.5 W	5074 lm	65.6 W
R45RE.DM.940.xx.16	4000K - Ra90	2282 mm	-	8800 lm	62.4 W	5412 lm	69.9 W
R45RE.DM.940.xx.17	4000K - Ra90	2424 mm	-	9350 lm	66.3 W	5750 lm	74.3 W
R45RE.DM.940.xx.18	4000K - Ra90	2564 mm	-	9900 lm	70.2 W	6089 lm	78.7 W
R45RE.DM.940.xx.19	4000K - Ra90	2706 mm	-	10450 lm	74.1 W	6427 lm	83.1 W
R45RE.DM.940.xx.20	4000K - Ra90	2844 mm	-	11000 lm	78 W	6765 lm	87.4 W
R45RE.DM.940.xx.21	4000K - Ra90	2986 mm	-	11550 lm	81.9 W	7103 lm	91.8 W
R45RE.DM.940.xx.22	4000K - Ra90	3125 mm	-	12100 lm	85.8 W	7442 lm	96.2 W
R45RE.DM.940.xx.23	4000K - Ra90	3267 mm	-	12650 lm	89.7 W	7780 lm	100.6 W
R45RE.DM.940.xx.24	4000K - Ra90	3405 mm	-	13200 lm	93.6 W	8118 lm	104.9 W
R45RE.DM.940.xx.25	4000K - Ra90	3548 mm	1701 + 1843 mm	13750 lm	97.5 W	8456 lm	109.3 W
R45RE.DM.940.xx.26	4000K - Ra90	3687 mm	1701 + 1982 mm	14300 lm	101.4 W	8795 lm	113.7 W
R45RE.DM.940.xx.27	4000K - Ra90	3829 mm	1843 + 1982 mm	14850 lm	105.3 W	9133 lm	118 W
R45RE.DM.940.xx.28	4000K - Ra90	3968 mm	1982 + 1982 mm	15400 lm	109.2 W	9471 lm	122.4 W
R45RE.DM.940.xx.29	4000K - Ra90	4110 mm	1982 + 2125 mm	15950 lm	113.1 W	9809 lm	126.8 W
R45RE.DM.940.xx.30	4000K - Ra90	4248 mm	1982 + 2262 mm	16500 lm	117 W	10148 lm	131.2 W
R45RE.DM.940.xx.31	4000K - Ra90	4390 mm	2125 + 2262 mm	17050 lm	120.9 W	10486 lm	135.5 W
R45RE.DM.940.xx.32	4000K - Ra90	4528 mm	2262 + 2262 mm	17600 lm	124.8 W	10824 lm	139.9 W
R45RE.DM.940.xx.33	4000K - Ra90	4670 mm	2262 + 2405 mm	18150 lm	128.7 W	11162 lm	144.3 W
R45RE.DM.940.xx.34	4000K - Ra90	4810 mm	2262 + 2544 mm	18700 lm	132.6 W	11501 lm	148.6 W
R45RE.DM.940.xx.35	4000K - Ra90	4952 mm	2405 + 2544 mm	19250 lm	136.5 W	11839 lm	153 W
R45RE.DM.940.xx.36	4000K - Ra90	5091 mm	2544 + 2544 mm	19800 lm	140.4 W	12177 lm	157.4 W
R45RE.DM.940.xx.37	4000K - Ra90	5233 mm	2544 + 2686 mm	20350 lm	144.3 W	12515 lm	161.8 W
R45RE.DM.940.xx.38	4000K - Ra90	5371 mm	2544 + 2824 mm	20900 lm	148.2 W	12854 lm	166.1 W
R45RE.DM.940.xx.39	4000K - Ra90	5513 mm	2544 + 2966 mm	21450 lm	152.1 W	13192 lm	170.5 W
R45RE.DM.940.xx.40	4000K - Ra90	5653 mm	2544 + 3105 mm	22000 lm	156 W	13530 lm	174.9 W
R45RE.DM.940.xx.41	4000K - Ra90	5795 mm	2544 + 3248 mm	22550 lm	159.9 W	13868 lm	179.2 W
R45RE.DM.940.xx.42	4000K - Ra90	5933 mm	2824 + 3105 mm	23100 lm	163.8 W	14207 lm	183.6 W
R45RE.DM.940.xx.43	4000K - Ra90	6075 mm	2966 + 3105 mm	23650 lm	167.7 W	14545 lm	188 W
R45RE.DM.940.xx.44	4000K - Ra90	6214 mm	3105 + 3105 mm	24200 lm	171.6 W	14883 lm	192.4 W
R45RE.DM.940.xx.45	4000K - Ra90	6356 mm	3105 + 3248 mm	24750 lm	175.5 W	15221 lm	196.7 W
R45RE.DM.940.xx.46	4000K - Ra90	6494 mm	3105 + 3385 mm	25300 lm	179.4 W	15560 lm	201.1 W
R45RE.DM.940.xx.47	4000K - Ra90	6636 mm	3248 + 3385 mm	25850 lm	183.3 W	15898 lm	205.5 W
R45RE.DM.940.xx.48	4000K - Ra90	6774 mm	3385 + 3385 mm	26400 lm	187.2 W	16236 lm	209.8 W

General specs

	LED Module	Luminaire
Efficacy 3000K - Ra80	168.4lm/W	120.2lm/W
Efficacy 4000K - Ra80	177.4lm/W	126.6lm/W
Efficacy 2700K - Ra90	131.8lm/W	94.1lm/W
Efficacy 3000K - Ra90	134lm/W	95.6lm/W
Efficacy 4000K - Ra90	141.1lm/W	100.7lm/W
Color consistency	SDCM 3	
Photobiological safety	Risk Group 1	
Power factor	0.9	

Lumen Maintenance

L70	B50	>70000 hrs
	B20	>70000 hrs
	B10	>70000 hrs
L80	B50	>70000 hrs
	B20	65000 hrs
	B10	60000 hrs
L90	B50	35000 hrs
	B20	35000 hrs
	B10	30000 hrs

Options (not included)

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.

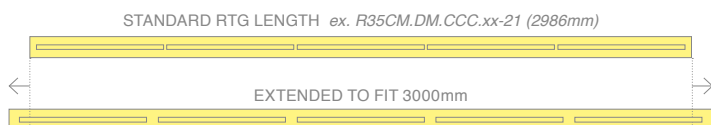
Below, we have made an example on how to order:

Requested: LEDLiner35 Ceiling Mounted 3000mm

- Step 1: Look for the corresponding page in this catalogue > *Page 18*
- 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)



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.



Emergency module for linear modules
(Min. length of profile: 1100mm, 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 light output ratio (mentioned on page 66 of our Ready To Go-catalogue) 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).



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

Connectors

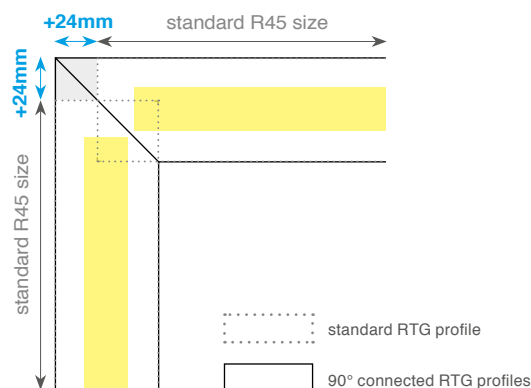
Ready To Go profiles can be joined together, using 90° or 180° connectors.



LL45 Recessed Connectors

90°	724.00.00
180°	725.00.00

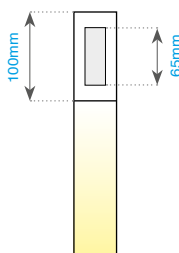
When joining your Ready To Go profiles with a 90° connector, take into consideration that both your joined profile lengths will be extended by **24mm** to create the corner. To ensure a sleek design, all 90° corners have only one diagonal cut.



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



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 maximum comfort and automatic energy savings of up to 70 - 75%.

ActiLume daylight/presence detection
(Min. length of profile: 1100mm, starting at ref. 08)

Stand-alone system 659.00.00
1 sensor integrated in 1 fixture

To accommodate the ActiLume sensor, 100mm will be added to your Ready To Go profile.



Technical info

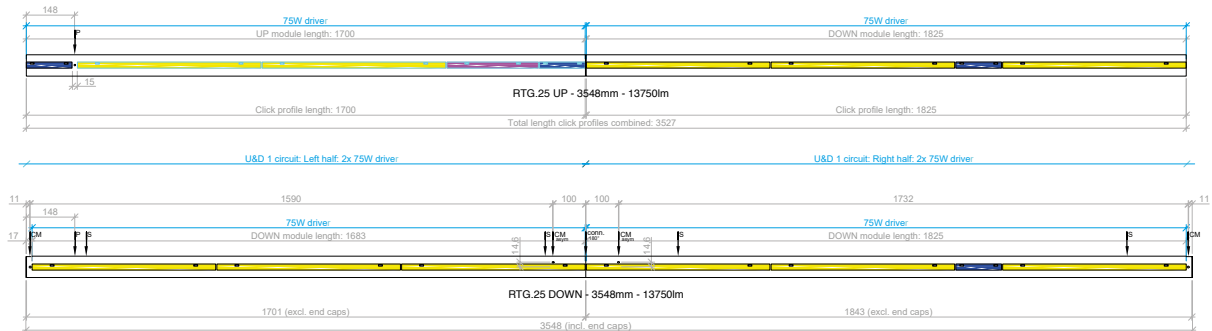


To find out how many suspensions are required for your profile, check the last 2 figures of your RTG article number:

- ref. 06-13: 2 suspension cables, 2 holes for ceiling mounting, or 2 wall connectors.
- ref. 14-24: 3 suspension cables, 3 holes for ceiling mounting, or 3 wall connectors.
- ref. 25-30 (consist of 2 profiles connected by a 180° connector): 4 suspension cables, 4 holes for ceiling mounting, or 4 wall connectors.
- ref. 31-48 (consist of 2 profiles connected by a 180° connector): 6 suspension cables, 6 holes for ceiling mounting, or 6 wall connectors.

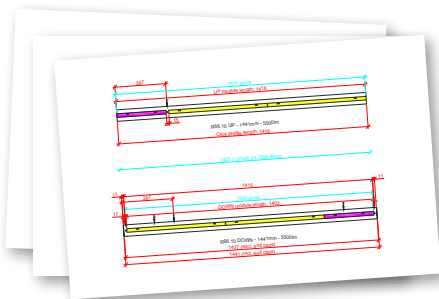
Example:

RTG LEDLiner47 Up&Down, ref. 25
(1701mm + 1843mm connected by a 180° connector + end caps = 3548mm in total)



- S Location of the suspension wires
- P Location of the power supply
- CM Location of the holes for ceiling mounting
- conn. 180° Location of the connection between the profiles

- Philips Fortimo LED module 550lm
- Philips Fortimo LED module 1100lm
- Philips Fortimo LED module 2200lm



For a detailed technical drawing of every RTG luminaire, please refer to www.doxis.be.

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.

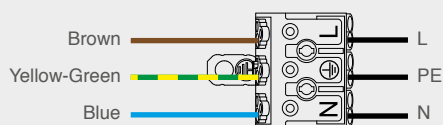
Doxis cannot be held responsible for incorrect installation.

Attention! Aluminium profiles will extend when warming up.

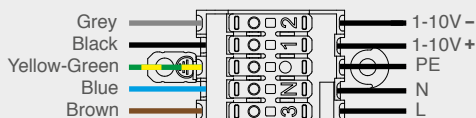
The extension is 0.5mm per meter. This should be taken into consideration for wall mounting, recessed mounting, trimless mounting and ceiling mounting applications. Extension gaps should be provided.

Single circuit

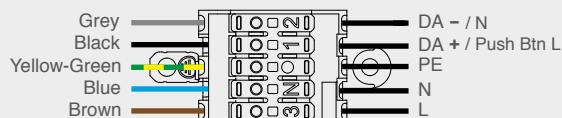
Non dimmable



1-10V dimmable



Touch & DALI dimmable

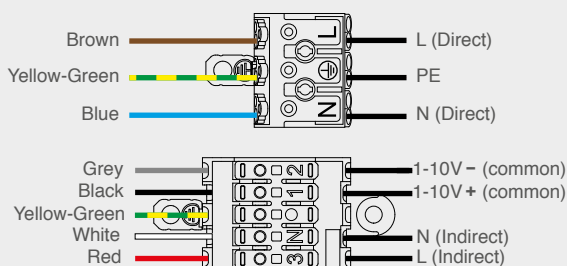


Double circuit direct/indirect 7-wire*

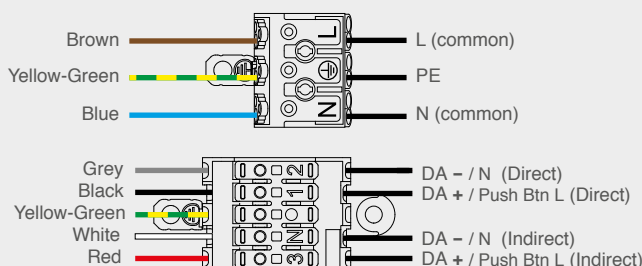
Non dimmable (standard for wall & suspended)



1-10V dimmable (for suspended only*)

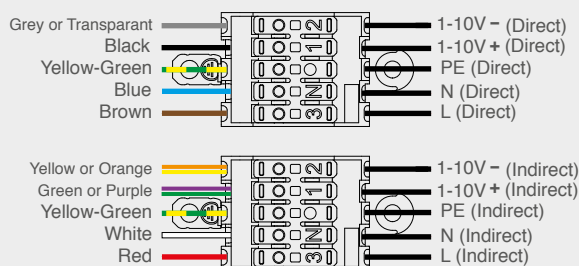


Touch & DALI dimmable (for suspended only*)

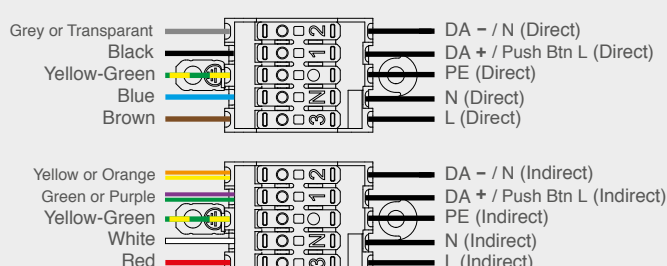


Double circuit direct/indirect 9-wire* (standard for wall mounted profiles, optional for suspended profiles)

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



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



Double Circuit Dimming Notice

Suspended profiles w/ 1-10V double circuit direct/indirect dimming:

- 7-wire supply cable (standard):
- 1 common input for 1 dimming level (direct & indirect dim together at the same level)
- 2 separated power supply inputs for separate switching (direct & indirect can be switched independently)

9-wire supply 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 supply 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 supply 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)